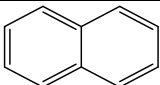
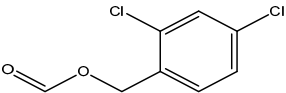
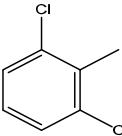
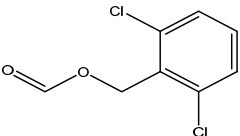
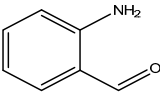
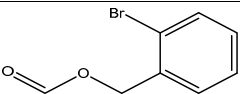
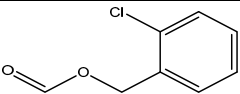
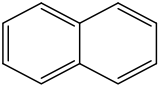
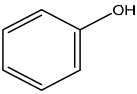
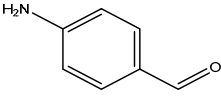
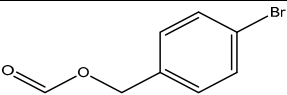
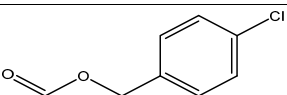
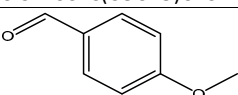
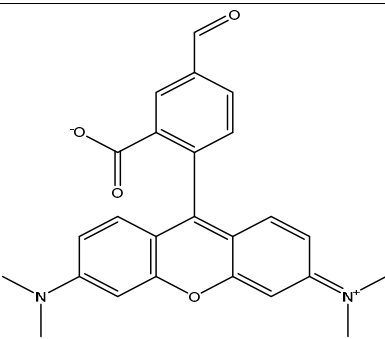
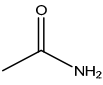


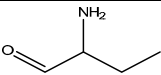
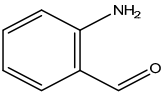
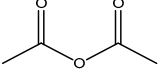
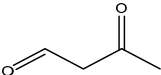
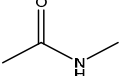
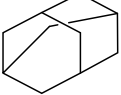
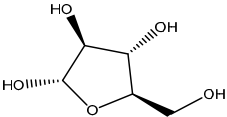
# ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 1-Naph                 | <br><chem>C1=CC2=CC=CC=C2C=C1</chem>      |
| 2-4DCZ                 | <br><chem>ClC1=CC=C(COC=O)C(Cl)=C1</chem> |
| 2-6Clb                 | <br><chem>CC1=C(Cl)C=CC=C1Cl</chem>       |
| 2-6DCZ                 | <br><chem>ClC1=CC=CC(Cl)=C1COC=O</chem>   |
| 2-Abz                  | <br><chem>NC1=CC=CC=C1C=O</chem>          |
| 2BrZ                   | <br><chem>BrC1=CC=CC=C1COC=O</chem>     |
| 2ClZ                   | <br><chem>ClC1=CC=CC=C1COC=O</chem>     |
| 2-Fur                  | <br><chem>O1C=CC=C1</chem>              |
| 2-Naph                 | <br><chem>C1=CC2=CC=CC=C2C=C1</chem>    |
| 2-OHEt                 | <br><chem>CCO</chem>                    |
| 2OHPh                  | <br><chem>OC1=CC=CC=C1</chem>           |

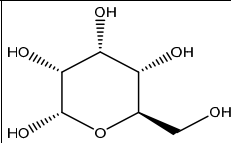
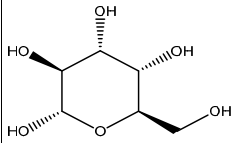
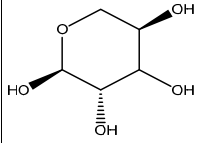
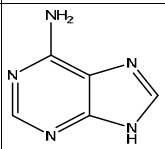
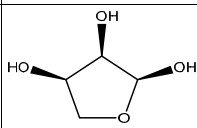
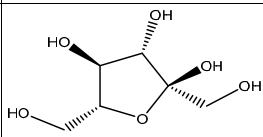
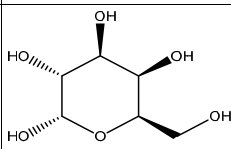
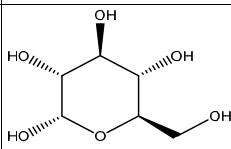
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2Pip                   | <br><chem>C1CCNCC1</chem>                                                                    |
| 3-Fur                  | <br><chem>O1C=CC=C1</chem>                                                                   |
| 3Py                    | <br><chem>C1=CC=NC=C1</chem>                                                                 |
| 4Abz                   | <br><chem>NC1=CC=C(C=O)C=C1</chem>                                                           |
| 4BrZ                   | <br><chem>BrC1=CC=C(COC=O)C=C1</chem>                                                        |
| 4ClZ                   | <br><chem>ClC1=CC=C(COC=O)C=C1</chem>                                                       |
| 4-OMe-Bz               | <br><chem>COC1=CC=C(C=O)C=C1</chem>                                                        |
| 4Py                    | <br><chem>C1=CC=NC=C1</chem>                                                               |
| 5-TAMRA                | <br><chem>CN(C)C1=CC2=C(C=C1)C(=C1C=CC(C=C1O2)=[N+](C)C)C1=C(C=C(C=O)C=C1)C([O-])=O</chem> |
| Aac                    | <br><chem>CC(N)=O</chem>                                                                   |

## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Abu                    | <br><chem>CCC(N)C=O</chem>                            |
| Abz                    | <br><chem>NC1=CC(=O)C=CC=C1</chem>                    |
| Ac                     | <br><chem>CC=O</chem>                                 |
| Ac2O                   | <br><chem>CC(=O)OC(C)=O</chem>                        |
| AcAc                   | <br><chem>CC(=O)CC(=O)</chem>                         |
| Acet                   | <br><chem>CC=O</chem>                                 |
| Acm                    | <br><chem>CNC(C)=O</chem>                           |
| AcN                    | <br><chem>CC#N</chem>                               |
| AcOH                   | <br><chem>CC(O)=O</chem>                            |
| Ad                     | <br><chem>C1C2CC3CC1CC(C2)C3</chem>                 |
| ADAarabif              | <br><chem>O[C@H]1O[C@H](CO)[C@@H](O)[C@@H]1O</chem> |

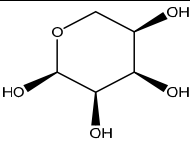
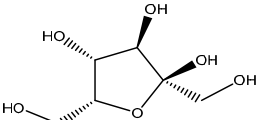
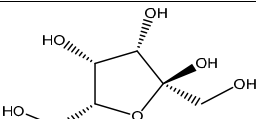
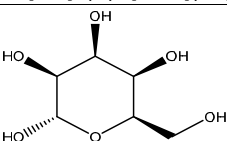
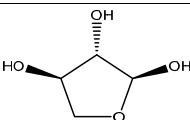
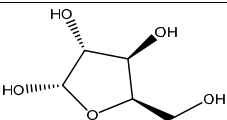
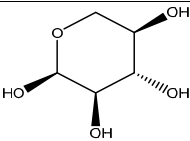
# ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| ADAllos                | <br><chem>O[C@H]1O[C@H](CO)[C@@H](O)[C@@H](O)[C@H]1O</chem>  |
| ADAltro                | <br><chem>O[C@H]1O[C@H](CO)[C@@H](O)[C@@H](O)[C@H]1O</chem>  |
| ADArabip               | <br><chem>O[C@H]1OC[C@@H](O)C(O)[C@@H]1O</chem>              |
| Ade                    | <br><chem>NC1=C2N=CNC2=NC=N1</chem>                          |
| ADeryth                | <br><chem>O[C@H]1OC[C@H](O)[C@H]1O</chem>                  |
| ADFruct                | <br><chem>OC[C@]1(O)O[C@H](CO)[C@@H](O)[C@@H]1O</chem>     |
| ADGalac                | <br><chem>O[C@H]1O[C@H](CO)[C@H](O)[C@H](O)[C@H]1O</chem>  |
| ADGluc                 | <br><chem>O[C@H]1O[C@H](CO)[C@@H](O)[C@H](O)[C@H]1O</chem> |

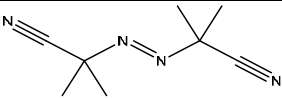
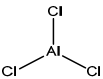
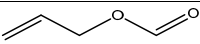
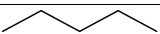
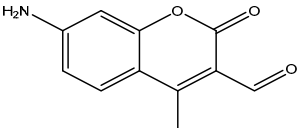
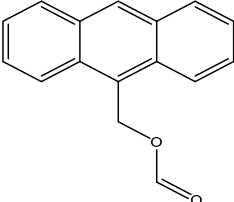
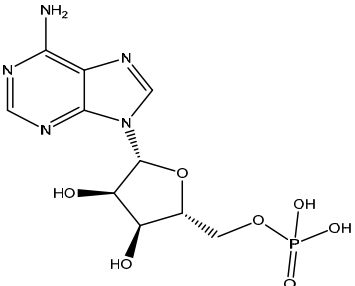
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                   |
|------------------------|-------------------------------------------------------------|
| ADIdose                | <br><chem>O[C@H]1O[C@H](CO)[C@H](O)[C@@H](O)[C@@H]1O</chem> |
| ADLyxof                | <br><chem>O[C@H]1O[C@H](CO)[C@H](O)[C@@H]1O</chem>          |
| ADLyxop                | <br><chem>O[C@H]1OC[C@@H](O)[C@H](O)[C@@H]1O</chem>         |
| ADManno                | <br><chem>O[C@H]1O[C@H](CO)[C@@H](O)[C@H](O)[C@@H]1O</chem> |
| Adoc                   | <br><chem>O=COC12CC3CC(CC(C3)C1)C2</chem>                   |
| ADPsico                | <br><chem>OC[C@]1(O)O[C@H](CO)[C@@H](O)[C@H]1O</chem>       |
| ADRibof                | <br><chem>O[C@H]1O[C@H](CO)[C@@H](O)[C@H]1O</chem>          |

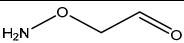
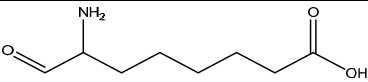
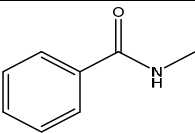
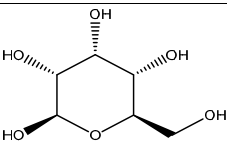
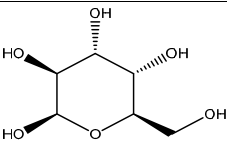
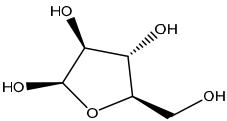
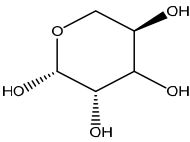
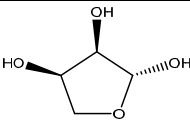
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| ADRibop                | <br><chem>O[C@H]1OC[C@@H](O)[C@@H](O)[C@H]1O</chem>         |
| ADSorbo                | <br><chem>OC[C@]1(O)O[C@H](CO)[C@H](O)[C@H]1O</chem>        |
| ADTagat                | <br><chem>OC[C@]1(O)O[C@H](CO)[C@H](O)[C@@H]1O</chem>       |
| ADTalos                | <br><chem>O[C@H]1O[C@H](CO)[C@H](O)[C@H](O)[C@@H]1O</chem> |
| ADThreo                | <br><chem>O[C@H]1OC[C@@H](O)[C@@H]1O</chem>               |
| ADXylof                | <br><chem>O[C@H]1O[C@H](CO)[C@H](O)[C@H]1O</chem>         |
| ADXylop                | <br><chem>O[C@H]1OC[C@@H](O)[C@H](O)[C@H]1O</chem>        |

## ChemAxon Marvin JS: Abbreviated Group Templates

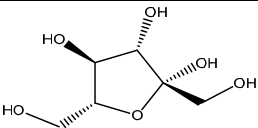
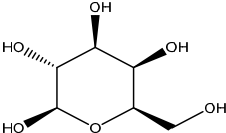
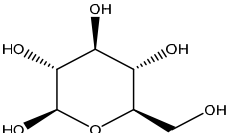
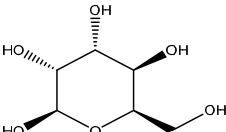
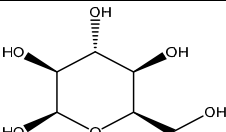
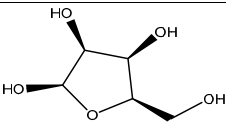
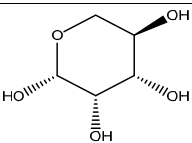
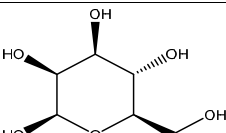
| Abbreviated Group Name | Structure                                                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AIBN                   | <br><chem>CC(C)(C#N)/N=N/C(C)(C)C#N</chem>                                        |
| AlCl3                  | <br><chem>Cl[Al](Cl)Cl</chem>                                                     |
| All                    | <br><chem>CC=C</chem>                                                             |
| Alloc                  | <br><chem>C=CCOC=O</chem>                                                         |
| Allyl                  | <br><chem>CC=C</chem>                                                             |
| Am                     | <br><chem>CCCCC</chem>                                                            |
| AMCA                   | <br><chem>CC-1=C(C=O)-C(=O)OC2=C-C(N)=C-C=C-12</chem>                            |
| Amoc                   | <br><chem>O=COCC1=C2C=CC=CC2=CC=CC=C12</chem>                                   |
| AMP                    | <br><chem>NC1=C2N=CN([C@@H]3O[C@H](COP(O)(O)=O)[C@@H](O)[C@H]3O)C2=NC=N1</chem> |
| Amyl                   | <br><chem>CCCCC</chem>                                                          |

## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Aoa                    | <br><chem>NOCC=O</chem>                                         |
| Asu                    | <br><chem>NC(CCCCC(O)=O)C=O</chem>                              |
| B2H6                   | <br><chem>[BH2]1[H][BH2][H]1</chem>                             |
| Bam                    | <br><chem>CNC(=O)C1=CC=CC=C1</chem>                             |
| BDAllos                | <br><chem>O[C@@H]1O[C@H](CO)[C@@H](O)[C@@H](O)[C@H]1O</chem>    |
| BDAItro                | <br><chem>O[C@@H]1O[C@H](CO)[C@@H](O)[C@@H](O)[C@@H]1O</chem> |
| BDArabif               | <br><chem>O[C@@H]1O[C@H](CO)[C@@H](O)[C@H]1O</chem>           |
| BDArabip               | <br><chem>O[C@@H]1OC[C@@H](O)C(O)[C@@H]1O</chem>              |
| BDEryth                | <br><chem>O[C@@H]1OC[C@@H](O)[C@H]1O</chem>                   |



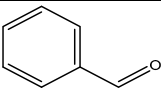
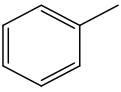
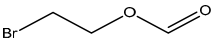
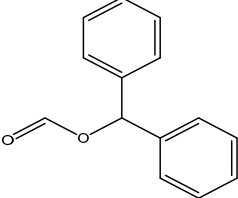
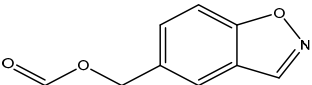
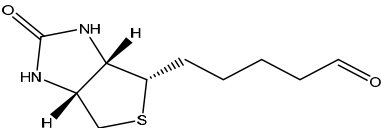
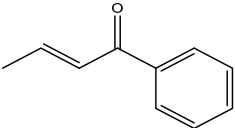
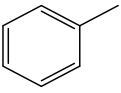
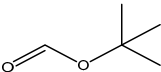
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| BDFruct                | <br><chem>OC[C@@]1(O)O[C@H](CO)[C@@H](O)[C@H]1O</chem>         |
| BDGalac                | <br><chem>O[C@@H]1O[C@H](CO)[C@H](O)[C@H](O)[C@H]1O</chem>     |
| BDGluco                | <br><chem>O[C@@H]1O[C@H](CO)[C@@H](O)[C@H](O)[C@H]1O</chem>    |
| BDGulos                | <br><chem>O[C@@H]1O[C@H](CO)[C@H](O)[C@@H](O)[C@H]1O</chem>   |
| BDidose                | <br><chem>O[C@@H]1O[C@H](CO)[C@H](O)[C@@H](O)[C@@H]1O</chem> |
| BDLyxof                | <br><chem>O[C@@H]1O[C@H](CO)[C@H](O)[C@@H]1O</chem>          |
| BDLyxop                | <br><chem>O[C@@H]1OC[C@@H](O)[C@H](O)[C@@H]1O</chem>         |
| BDManno                | <br><chem>O[C@@H]1O[C@H](CO)[C@@H](O)[C@H](O)[C@@H]1O</chem> |

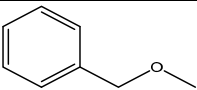
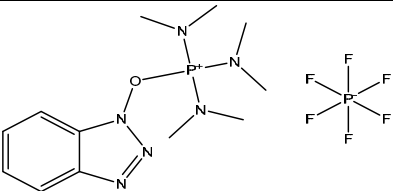
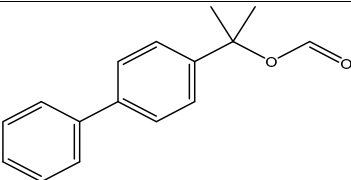
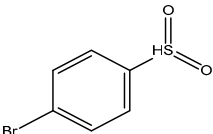
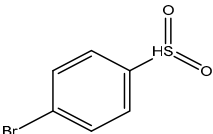
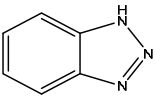
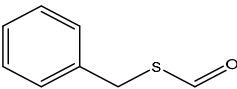
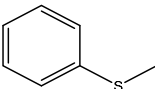
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                   |
|------------------------|-------------------------------------------------------------|
| BDPsico                | <br><chem>OC[C@@]1(O)O[C@H](CO)[C@@H](O)[C@H]1O</chem>      |
| BDRibof                | <br><chem>O[C@@H]1O[C@H](CO)[C@@H](O)[C@H]1O</chem>         |
| BDRibop                | <br><chem>O[C@@H]1OC[C@@H](O)[C@@H](O)[C@H]1O</chem>        |
| BDSorbo                | <br><chem>OC[C@@]1(O)O[C@H](CO)[C@H](O)[C@H]1O</chem>       |
| BDTalos                | <br><chem>O[C@@H]1O[C@H](CO)[C@H](O)[C@H](O)[C@@H]1O</chem> |
| BDThreo                | <br><chem>O[C@@H]1OC[C@@H](O)[C@@H]1O</chem>                |
| BDXylof                | <br><chem>O[C@@H]1O[C@H](CO)[C@H](O)[C@H]1O</chem>          |
| BDXylop                | <br><chem>O[C@@H]1OC[C@@H](O)[C@H](O)[C@H]1O</chem>         |

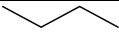
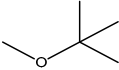
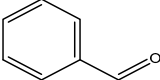
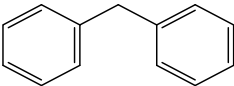
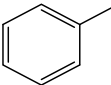
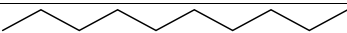
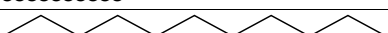
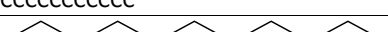
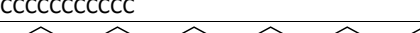
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Benzoyl                | <br><chem>C1=CC=CC=C1C(=O)</chem>                              |
| Benzyl                 | <br><chem>C1=CC=CC=C1C</chem>                                  |
| Beoc                   | <br><chem>BrCCOC=O</chem>                                      |
| Bhoc                   | <br><chem>O=COC(C1=CC=CC=C1)C1=CC=CC=C1</chem>                 |
| Bic                    | <br><chem>O=COCC1=CC=C2ON=CC2=C1</chem>                       |
| Biotinyl               | <br><chem>[H][C@]12CS[C@H](CCCC=O)[C@@]1([H])NC(=O)N2</chem> |
| Bmv                    | <br><chem>C\C=C\C(=O)C1=CC=CC=C1</chem>                      |
| Bn                     | <br><chem>C1=CC=CC=C1C</chem>                                |
| Boc                    | <br><chem>C(C)(C)(C)OC=O</chem>                              |

# ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bom                    | <br><chem>COCC1=CC=CC=C1</chem>                                               |
| BOP                    | <br><chem>F[P-](F)(F)(F)(F)F.CN(C)[P+](ON1N=NC2=CC=CC=C12)(N(C)C)N(C)C</chem> |
| Bpoc                   | <br><chem>CC(C)(OC=O)C1=CC=C(C=C1)C1=CC=CC=C1</chem>                          |
| Br2                    | <chem>Br—Br</chem><br><chem>BrBr</chem>                                                                                                                        |
| Brosyl                 | <br><chem>BrC1=CC=C(C=C1)S(=O)=O</chem>                                      |
| Bs                     | <br><chem>BrC1=CC=C(C=C1)S(=O)=O</chem>                                     |
| Bt                     | <br><chem>N1N=NC2=CC=CC=C12</chem>                                          |
| BTC                    | <br><chem>O=CSCC1=CC=CC=C1</chem>                                           |
| Btm                    | <br><chem>CSC1=CC=CC=C1</chem>                                              |

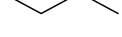
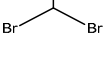
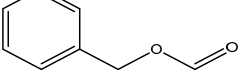
# ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Bu                     | <br><chem>CCCC</chem>                      |
| Bum                    | <br><chem>COC(C)(C)C</chem>                |
| Bz                     | <br><chem>C1=CC=CC=C1C(=O)</chem>          |
| Bzh                    | <br><chem>C(C1=CC=CC=C1)C1=CC=CC=C1</chem> |
| Bzl                    | <br><chem>C1=CC=CC=C1C</chem>              |
| C10                    | <br><chem>CCCCCCCCCC</chem>                |
| C10H21                 | <br><chem>CCCCCCCCCC</chem>              |
| C11                    | <br><chem>CCCCCCCCCCC</chem>             |
| C11H23                 | <br><chem>CCCCCCCCCCC</chem>             |
| C12                    | <br><chem>CCCCCCCCCCCC</chem>            |
| C12H25                 | <br><chem>CCCCCCCCCCCC</chem>            |
| C13                    | <br><chem>CCCCCCCCCCCCC</chem>           |
| C13H27                 | <br><chem>CCCCCCCCCCCCC</chem>           |
| C14                    | <br><chem>CCCCCCCCCCCCC</chem>           |
| C14H29                 | <br><chem>CCCCCCCCCCCCC</chem>           |
| C15                    | <br><chem>CCCCCCCCCCCCC</chem>           |
| C15H31                 | <br><chem>CCCCCCCCCCCCC</chem>           |

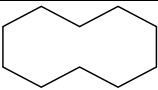
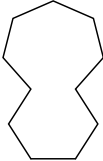
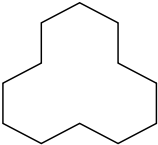
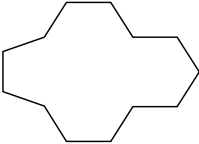
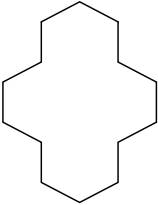
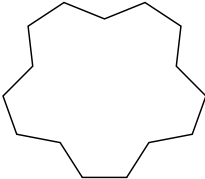
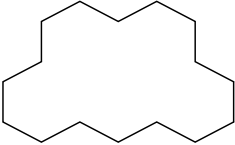
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure             |
|------------------------|-----------------------|
| C16                    | <br>CCCCCCCCCCCCCCCC  |
| C16H33                 | <br>CCCCCCCCCCCCCCCC  |
| C17                    | <br>CCCCCCCCCCCCCCCCC |
| C17H35                 | <br>CCCCCCCCCCCCCCCCC |
| C18                    | <br>CCCCCCCCCCCCCCCCC |
| C18H37                 | <br>CCCCCCCCCCCCCCCCC |
| C19                    | <br>CCCCCCCCCCCCCCCCC |
| C19H39                 | <br>CCCCCCCCCCCCCCCCC |
| C2                     | CC                    |
| C20                    | <br>CCCCCCCCCCCCCCCCC |
| C20H41                 | <br>CCCCCCCCCCCCCCCCC |
| C21                    | <br>CCCCCCCCCCCCCCCCC |
| C21H43                 | <br>CCCCCCCCCCCCCCCCC |
| C22                    | <br>CCCCCCCCCCCCCCCCC |
| C22H45                 | <br>CCCCCCCCCCCCCCCCC |
| C23                    | <br>CCCCCCCCCCCCCCCCC |
| C23H47                 | <br>CCCCCCCCCCCCCCCCC |
| C24                    | <br>CCCCCCCCCCCCCCCCC |
| C24H49                 | <br>CCCCCCCCCCCCCCCCC |
| C25                    | <br>CCCCCCCCCCCCCCCCC |
| C25H51                 | <br>CCCCCCCCCCCCCCCCC |
| C2H5                   | CC                    |

## ChemAxon Marvin JS: Abbreviated Group Templates

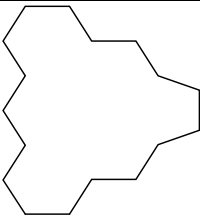
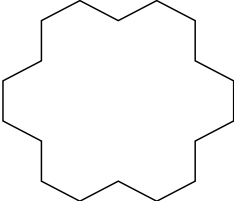
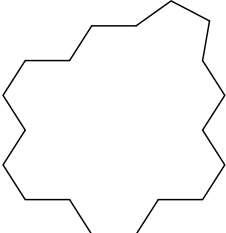
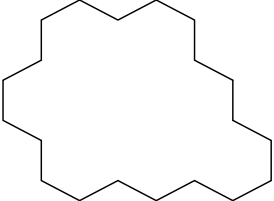
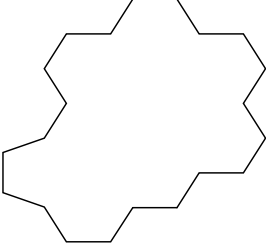
| Abbreviated Group Name | Structure                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------|
| C3                     | <br><chem>CCC</chem>                |
| C3H7                   | <br><chem>CCC</chem>                |
| C4                     | <br><chem>CCCC</chem>               |
| C4H9                   | <br><chem>CCCC</chem>               |
| C5                     | <br><chem>CCCCC</chem>              |
| C5H11                  | <br><chem>CCCCC</chem>              |
| C6                     | <br><chem>CCCCCC</chem>             |
| C6H13                  | <br><chem>CCCCCC</chem>             |
| C6H5                   | <br><chem>C1=CC=CC=C1</chem>        |
| C7                     | <br><chem>CCCCCCC</chem>          |
| C7H15                  | <br><chem>CCCCCCC</chem>          |
| C8                     | <br><chem>CCCCCCCC</chem>         |
| C8H17                  | <br><chem>CCCCCCCC</chem>         |
| C9                     | <br><chem>CCCCCCCCC</chem>        |
| C9H19                  | <br><chem>CCCCCCCCC</chem>        |
| CBr3                   | <br><chem>BrC(Br)Br</chem>        |
| Cbz                    | <br><chem>O=COCC1=CC=CC=C1</chem> |

## ChemAxon Marvin JS: Abbreviated Group Templates

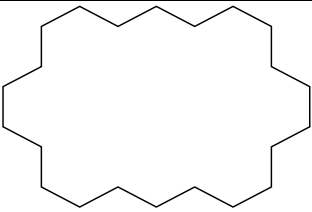
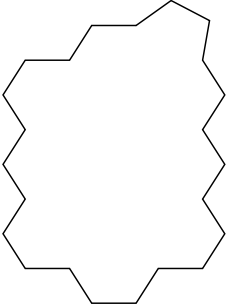
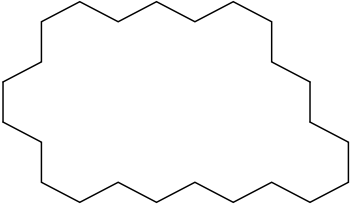
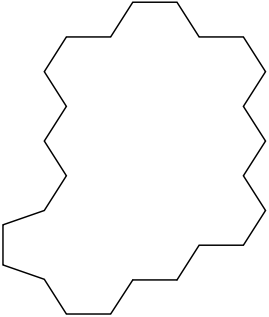
| Abbreviated Group Name | Structure                                                                                                        |
|------------------------|------------------------------------------------------------------------------------------------------------------|
| c-C10H19               | <br><chem>C1CCCCCCCCC1</chem>   |
| c-C11H21               | <br><chem>C1CCCCCCCCC1</chem>   |
| c-C12H23               | <br><chem>C1CCCCCCCCC1</chem>   |
| c-C13H25               | <br><chem>C1CCCCCCCCC1</chem>   |
| c-C14H27               | <br><chem>C1CCCCCCCCC1</chem> |
| c-C15H29               | <br><chem>C1CCCCCCCCC1</chem> |
| c-C16H31               | <br><chem>C1CCCCCCCCC1</chem> |



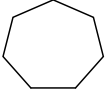
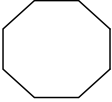
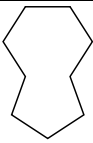
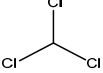
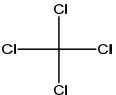
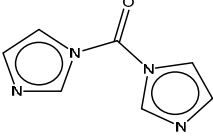
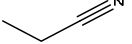
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------|
| c-C17H33               | <br><chem>C1CCCCCCCCCCCCCCC1</chem>     |
| c-C18H35               | <br><chem>C1CCCCCCCCCCCCCCCCC1</chem>   |
| c-C19H37               | <br><chem>C1CCCCCCCCCCCCCCCCC1</chem>  |
| c-C20H39               | <br><chem>C1CCCCCCCCCCCCCCCCC1</chem> |
| c-C21H41               | <br><chem>C1CCCCCCCCCCCCCCCCC1</chem> |

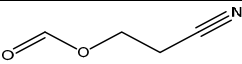
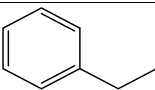
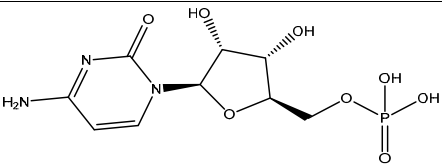
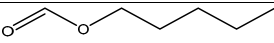
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name            | Structure                                                                                                                  |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| c-C <sub>22</sub> H <sub>43</sub> | <br><chem>C1CCCCCCCCCCCCCCCCCCC1</chem>   |
| c-C <sub>23</sub> H <sub>45</sub> | <br><chem>C1CCCCCCCCCCCCCCCCCCC1</chem>   |
| c-C <sub>24</sub> H <sub>47</sub> | <br><chem>C1CCCCCCCCCCCCCCCCCCC1</chem>  |
| c-C <sub>25</sub> H <sub>49</sub> | <br><chem>C1CCCCCCCCCCCCCCCCCCC1</chem> |
| c-C <sub>3</sub> H <sub>5</sub>   | <br><chem>C1CC1</chem>                  |
| c-C <sub>4</sub> H <sub>7</sub>   | <br><chem>C1CCC1</chem>                 |

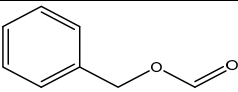
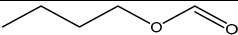
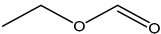
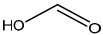
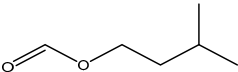
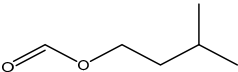
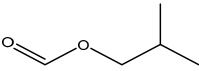
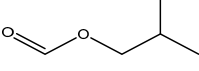
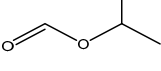
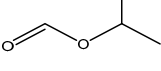
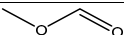
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name           | Structure                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| c-C <sub>5</sub> H <sub>9</sub>  | <br><chem>C1CCCC1</chem>               |
| c-C <sub>6</sub> H <sub>11</sub> | <br><chem>C1CCCCC1</chem>              |
| c-C <sub>7</sub> H <sub>13</sub> | <br><chem>C1CCCCC1</chem>              |
| c-C <sub>8</sub> H <sub>15</sub> | <br><chem>C1CCCCC1</chem>              |
| c-C <sub>9</sub> H <sub>17</sub> | <br><chem>C1CCCCC1</chem>             |
| CCl <sub>3</sub>                 | <br><chem>ClC(Cl)Cl</chem>           |
| CCl <sub>4</sub>                 | <br><chem>ClC(Cl)(Cl)Cl</chem>       |
| CDI                              | <br><chem>O=C(n1cncc1)n2ccnc2</chem> |
| Ce                               | <br><chem>CCC#N</chem>               |

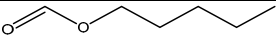
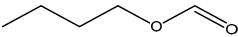
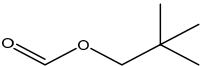
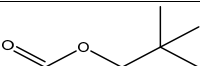
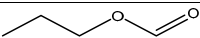
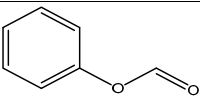
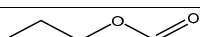
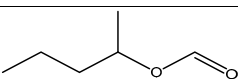
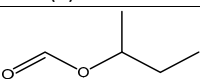
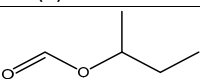
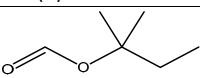
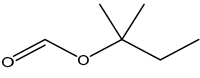
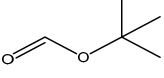
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ceoc                   | <br><chem>O=COCCCC#N</chem>                                                   |
| CF3                    | <br><chem>FC(F)F</chem>                                                       |
| CH2CH2Ph               | <br><chem>CCC1=CC=CC=C1</chem>                                                |
| CH2CH3                 | <chem>CC</chem>                                                                                                                                                |
| cHex                   | <br><chem>C1CCCCC1</chem>                                                     |
| CHL                    | <br><chem>ClC(Cl)Cl</chem>                                                    |
| CHO                    | <chem>=O</chem><br><chem>C=O</chem>                                                                                                                            |
| cHx                    | <br><chem>C1CCCCC1</chem>                                                   |
| c-Hx                   | <br><chem>C1CCCCC1</chem>                                                   |
| Cl2                    | <chem>Cl—Cl</chem><br><chem>ClCl</chem>                                                                                                                        |
| CMP                    | <br><chem>NC1=NC(=O)N(C=C1)[C@@H]1O[C@H](COP(=O)(O)O)[C@H](O)[C@H]1O</chem> |
| CN                     | <chem>C#N</chem>                                                                                                                                               |
| CO                     | <chem>=O</chem><br><chem>C=O</chem>                                                                                                                            |
| CO2Am                  | <br><chem>CCCCOC=O</chem>                                                   |

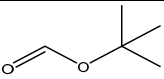
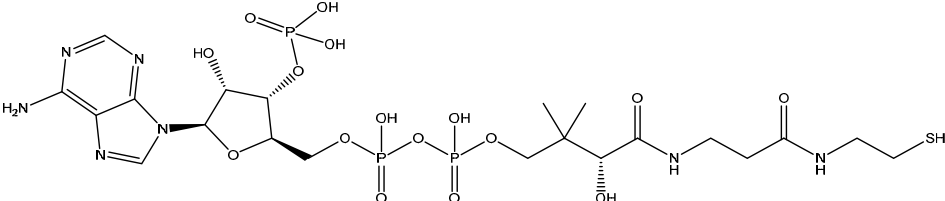
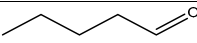
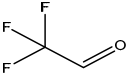
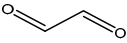
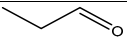
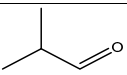
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------|
| CO2Bn                  | <br><chem>O=COCC1=CC=CC=C1</chem> |
| CO2Bu                  | <br><chem>CCCCOC=O</chem>         |
| CO2Et                  | <br><chem>CCOC=O</chem>           |
| CO2H                   | <br><chem>OC=O</chem>             |
| CO2iAm                 | <br><chem>CC(C)CCOC=O</chem>      |
| CO2i-Am                | <br><chem>CC(C)CCOC=O</chem>      |
| CO2iBu                 | <br><chem>CC(C)COC=O</chem>      |
| CO2i-Bu                | <br><chem>CC(C)COC=O</chem>     |
| CO2iPr                 | <br><chem>CC(C)OC=O</chem>      |
| CO2i-Pr                | <br><chem>CC(C)OC=O</chem>      |
| CO2K                   | <br><chem>[K+].[O-]C=O</chem>   |
| CO2Me                  | <br><chem>COC=O</chem>          |
| CO2Na                  | <br><chem>[Na+].[O-]C=O</chem>  |

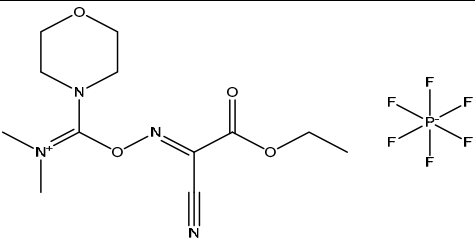
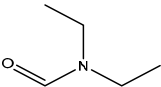
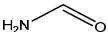
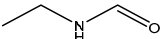
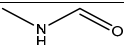
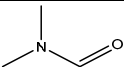
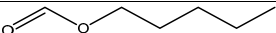
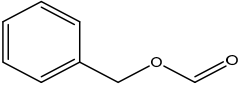
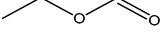
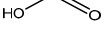
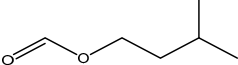
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------|
| CO2n-Am                | <br><chem>CCCCCOC=O</chem>       |
| CO2n-Bu                | <br><chem>CCCCOC=O</chem>        |
| CO2neoAm               | <br><chem>CC(C)(C)COC=O</chem>   |
| CO2neo-Am              | <br><chem>CC(C)(C)COC=O</chem>   |
| CO2n-Pr                | <br><chem>CCCOC=O</chem>         |
| CO2Ph                  | <br><chem>O=COC1=CC=CC=C1</chem> |
| CO2Pr                  | <br><chem>CCCOC=O</chem>         |
| CO2s-Am                | <br><chem>CCCC(C)OC=O</chem>   |
| CO2sBu                 | <br><chem>CCC(C)OC=O</chem>    |
| CO2s-Bu                | <br><chem>CCC(C)OC=O</chem>    |
| CO2tAm                 | <br><chem>CCC(C)(C)OC=O</chem> |
| CO2t-Am                | <br><chem>CCC(C)(C)OC=O</chem> |
| CO2tBu                 | <br><chem>CC(C)(C)OC=O</chem>  |

# ChemAxon Marvin JS: Abbreviated Group Templates

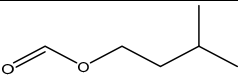
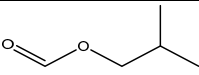
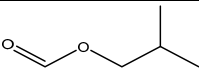
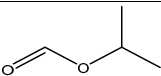
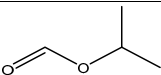
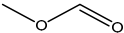
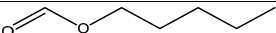
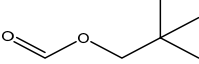
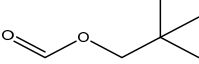
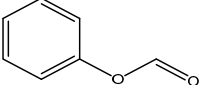
| Abbreviated Group Name | Structure                                                                                                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CO2t-Bu                | <br><chem>CC(C)(C)OC=O</chem>                                                                                                      |
| CoA                    | <br><chem>CC(C)(COP(O)(=O)OP(O)(=O)OC[C@H]1O[C@H]([C@H](O)[C@@H]1OP(O)(O)=O)N1C=NC2=C(N)N=CN=C12)[C@H](O)C(=O)NCCC(=O)NCCS</chem> |
| COBr                   | <br><chem>BrC=O</chem>                                                                                                             |
| COBu                   | <br><chem>CCCCC=O</chem>                                                                                                           |
| COCF3                  | <br><chem>FC(F)(F)C=O</chem>                                                                                                       |
| COCl                   | <br><chem>ClC=O</chem>                                                                                                           |
| COCO                   | <br><chem>O=CC=O</chem>                                                                                                          |
| COEt                   | <br><chem>CCC=O</chem>                                                                                                           |
| COF                    | <br><chem>FC=O</chem>                                                                                                            |
| COiPr                  | <br><chem>CC(C)C=O</chem>                                                                                                        |
| COMe                   | <br><chem>CC=O</chem>                                                                                                            |

# ChemAxon Marvin JS: Abbreviated Group Templates

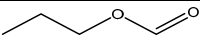
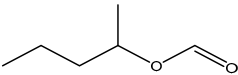
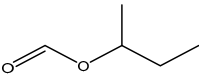
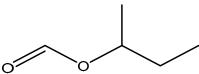
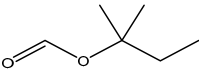
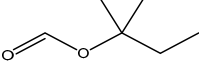
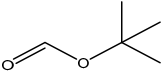
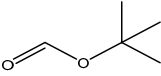
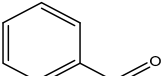
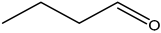
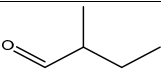
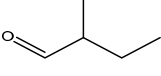
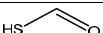
| Abbreviated Group Name | Structure                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COMU                   | <br><chem>F[P-](F)(F)(F)(F)F.CCOC(=O)C(=N\OC(N1CCOCC1)=[N+](C)C)\C#N</chem> |
| CONEt2                 | <br><chem>CCN(CC)C=O</chem>                                                 |
| CONH2                  | <br><chem>NC=O</chem>                                                       |
| CONHEt                 | <br><chem>CCNC=O</chem>                                                     |
| CONHMe                 | <br><chem>CNC=O</chem>                                                      |
| CONMe2                 | <br><chem>CN(C)C=O</chem>                                                 |
| COOAm                  | <br><chem>CCCCCOC=O</chem>                                                |
| COOBn                  | <br><chem>O=COCC1=CC=CC=C1</chem>                                         |
| COOBu                  | <br><chem>CCCCOC=O</chem>                                                 |
| COOEt                  | <br><chem>CCOC=O</chem>                                                   |
| COOH                   | <br><chem>OC=O</chem>                                                     |
| COOiAm                 | <br><chem>CC(C)CCOC=O</chem>                                              |



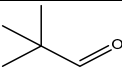
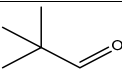
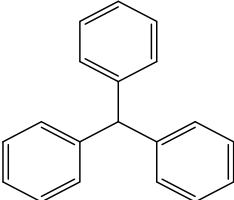
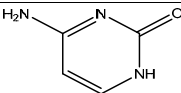
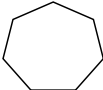
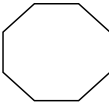
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| COOi-Am                | <br><chem>CC(C)CCOC=O</chem>               |
| COOi-Bu                | <br><chem>CC(C)COC=O</chem>                |
| COOiBu                 | <br><chem>CC(C)COC=O</chem>                |
| COOiPr                 | <br><chem>CC(C)OC=O</chem>                 |
| COOi-Pr                | <br><chem>CC(C)OC=O</chem>                 |
| COOK                   | <br>$K^+$<br><chem>[K+].[O-]C=O</chem>     |
| COOMe                  | <br><chem>COC=O</chem>                   |
| COONa                  | <br>$Na^+$<br><chem>[Na+].[O-]C=O</chem> |
| COOn-Am                | <br><chem>CCCCCOC=O</chem>               |
| COOn-Bu                | <br><chem>CCCCCOC=O</chem>               |
| COOneoAm               | <br><chem>CC(C)(C)COC=O</chem>           |
| COOneo-Am              | <br><chem>CC(C)(C)COC=O</chem>           |
| COOPh                  | <br><chem>O=COC1=CC=CC=C1</chem>         |

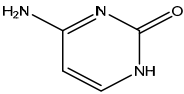
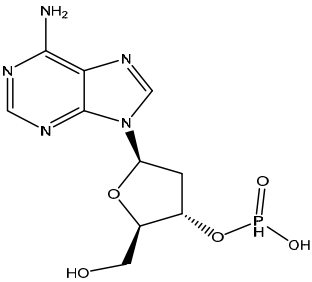
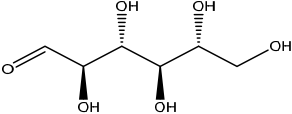
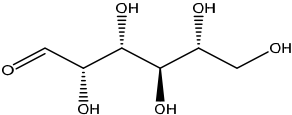
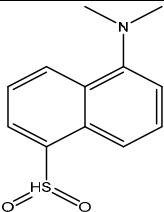
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------|
| COOPr                  | <br><chem>CCCOC=O</chem>          |
| COOs-Am                | <br><chem>CCCC(C)OC=O</chem>      |
| COOsBu                 | <br><chem>CCC(C)OC=O</chem>       |
| COOs-Bu                | <br><chem>CCC(C)OC=O</chem>       |
| COOtAm                 | <br><chem>CCC(C)(C)OC=O</chem>    |
| COOt-Am                | <br><chem>CCC(C)(C)OC=O</chem>    |
| COOtBu                 | <br><chem>CC(C)(C)OC=O</chem>   |
| COOt-Bu                | <br><chem>CC(C)(C)OC=O</chem>   |
| COPh                   | <br><chem>O=CC1=CC=CC=C1</chem> |
| COPr                   | <br><chem>CCCC=O</chem>         |
| COsBu                  | <br><chem>CCC(C)C=O</chem>      |
| COs-Bu                 | <br><chem>CCC(C)C=O</chem>      |
| COSH                   | <br><chem>SC=O</chem>           |

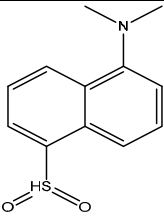
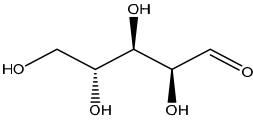
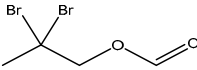
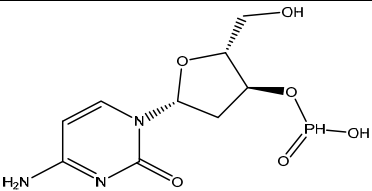
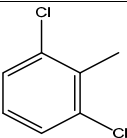
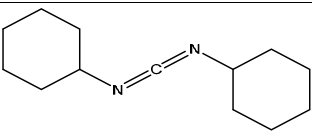
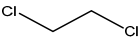
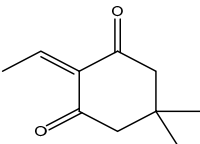
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| COTBu                  | <br><chem>CC(C)(C)C=O</chem>                            |
| COt-Bu                 | <br><chem>CC(C)(C)C=O</chem>                            |
| Cpe                    | <br><chem>C1CCCC1</chem>                                |
| CPh3                   | <br><chem>C1=CC=C(C=C1)C(C2=CC=CC=C2)C3=CC=CC=C3</chem> |
| Cpm                    | <br><chem>CC1CC1</chem>                                 |
| Ct                     | <br><chem>NC1=NC(=O)NC=C1</chem>                      |
| Cy                     | <br><chem>C1CCCCC1</chem>                             |
| cyclobutyl             | <br><chem>C1CCC1</chem>                               |
| cycloheptyl            | <br><chem>C1CCCCC1</chem>                             |
| cyclooctyl             | <br><chem>C1CCCCCCC1</chem>                           |

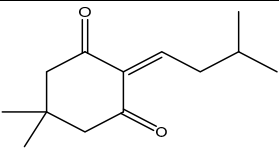
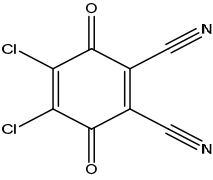
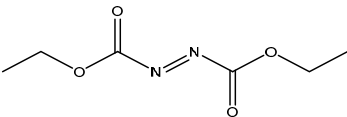
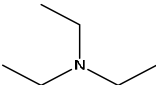
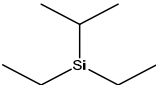
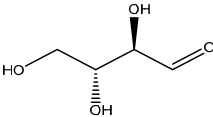
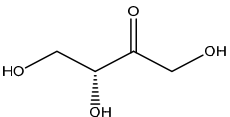
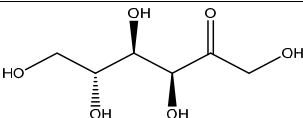
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| cyclopentyl            | <br><chem>C1CCCC1</chem>                                                  |
| cyclopropyl            | <br><chem>C1CC1</chem>                                                    |
| Cyt                    | <br><chem>NC1=NC(=O)NC=C1</chem>                                          |
| CS2                    | <chem>S=C=S</chem><br><chem>C(=S)=S</chem>                                                                                                                 |
| dA                     | <br><chem>NC1=C2N=CN([C@H]3C[C@H](O[PH](O)=O)[C@@H](CO)O3)C2=NC=N1</chem> |
| DAllos                 | <br><chem>OC[C@@H](O)[C@@H](O)[C@H](O)[C@@H](O)C=O</chem>               |
| DAltro                 | <br><chem>OC[C@@H](O)[C@@H](O)[C@H](O)[C@H](O)C=O</chem>                |
| Dan                    | <br><chem>CN(C)C1=C2C=CC(=C2CC=C1)S(=O)=O</chem>                        |

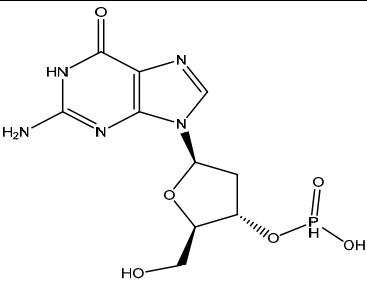
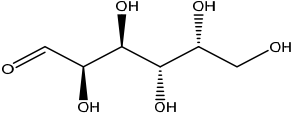
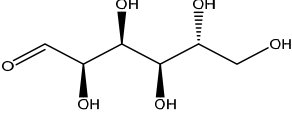
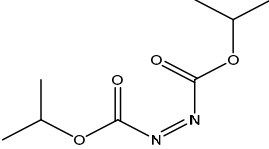
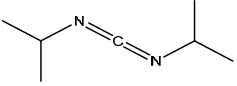
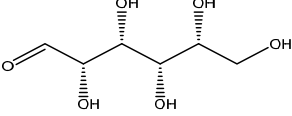
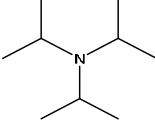
# ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dansyl                 | <br><chem>CN(C)C1=CC2=CC=C(C(=CC=C1)S(=O)(=O)O)C=C2</chem>              |
| DArabi                 | <br><chem>OC[C@H](O)[C@H](O)[C@H](O)C=O</chem>                          |
| Dbpoc                  | <br><chem>CC(Br)(Br)COC=O</chem>                                        |
| dC                     | <br><chem>NC1=NC(=O)N(C=C1)[C@H]2C[C@H](O[PH](O)=O)[C@@H](CO)O2</chem> |
| DCB                    | <br><chem>CC1=C(Cl)C=CC=C1Cl</chem>                                   |
| DCC                    | <br><chem>C1CCC(CC1)N=C=NC1CCCCC1</chem>                              |
| DCE                    | <br><chem>ClCCl</chem>                                                |
| DCM                    | <br><chem>ClCCl</chem>                                                |
| Dde                    | <br><chem>C/C=C1/C(=O)CC(C)(C)CC1=O</chem>                            |

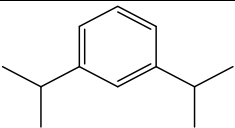
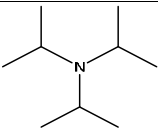
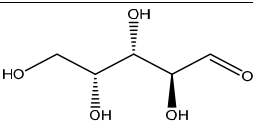
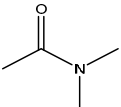
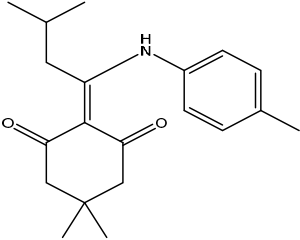
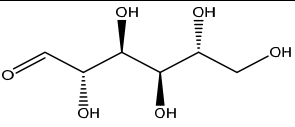
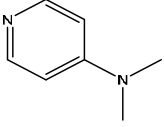
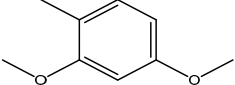
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Ddiv                   | <br><chem>CC(C)CC=C1C(=O)CC(C)(C)CC1=O</chem>         |
| DDQ                    | <br><chem>ClC1=C(Cl)C(=O)C(C#N)=C(C#N)C1=O</chem>     |
| DEAD                   | <br><chem>O=C(/N=N/C(=O)OCC)OCC</chem>                |
| DEAE                   | <br><chem>CCN(CC)CC</chem>                            |
| DEIPS                  | <br><chem>CC[Si](CC)(C)C</chem>                     |
| DEryth                 | <br><chem>OC[C@H](O)[C@H](O)C=O</chem>              |
| DErythu                | <br><chem>OC[C@H](O)C(=O)CO</chem>                  |
| DFruct                 | <br><chem>OC[C@H](O)[C@@H](O)[C@H](O)C(=O)CO</chem> |

# ChemAxon Marvin JS: Abbreviated Group Templates

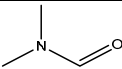
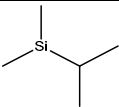
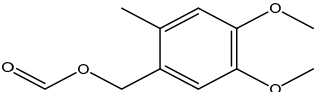
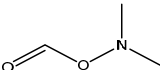
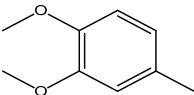
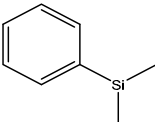
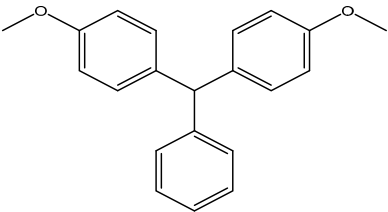
| Abbreviated Group Name | Structure                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| dG                     | <br><chem>NC1=NC2=C(N=CN2[C@H]3C[C@H](O[PH](O)=O)[C@@H](CO)O3)C(=O)N1</chem> |
| DGalac                 | <br><chem>OC[C@@H](O)[C@H](O)[C@H](O)[C@@H](O)C=O</chem>                     |
| DGluco                 | <br><chem>OC[C@@H](O)[C@@H](O)[C@H](O)[C@@H](O)C=O</chem>                    |
| DHP                    | <br><chem>C1COC=CC1</chem>                                                  |
| DIAD                   | <br><chem>O=C(OC(C)C)\N=N/C(OC(C)C)=O</chem>                               |
| DIC                    | <br><chem>CC(C)N=C=NC(C)C</chem>                                           |
| Dldose                 | <br><chem>OC[C@@H](O)[C@H](O)[C@@H](O)[C@@H](O)C=O</chem>                  |
| DIEA                   | <br><chem>CC(C)N(C(C)C)C(C)C</chem>                                        |

## ChemAxon Marvin JS: Abbreviated Group Templates

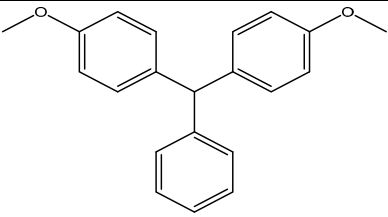
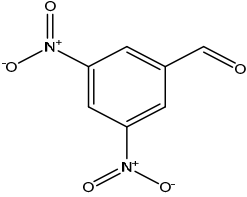
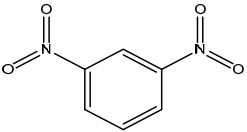
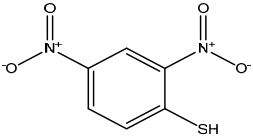
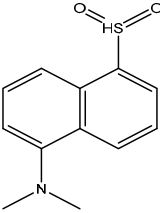
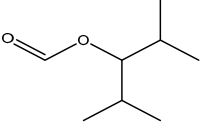
| Abbreviated Group Name | Structure                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Dip                    | <br><chem>CC(C)C1=CC(=CC=C1)C(C)C</chem>                         |
| DIPEA                  | <br><chem>CC(C)N(C(C)C)C(C)C</chem>                              |
| DLyxos                 | <br><chem>OC[C@H](O)[C@H](O)[C@H](O)C=O</chem>                   |
| DMA                    | <br><chem>CN(C)C(C)=O</chem>                                     |
| Dmab                   | <br><chem>CC(C)CC(NC1=CC=C(C)C=C1)=C1C(=O)CC(C)(C)CC1=O</chem> |
| DManno                 | <br><chem>OC[C@H](O)[C@H](O)[C@H](O)C=O</chem>                 |
| DMAP                   | <br><chem>CN(C)C1=CC=NC=C1</chem>                              |
| Dmb                    | <br><chem>COC1=CC=C(C(OC)=C1)</chem>                           |



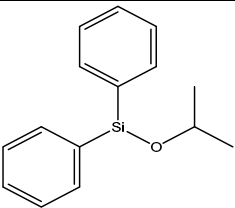
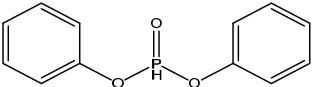
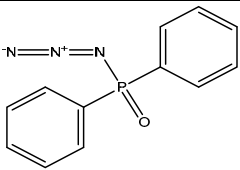
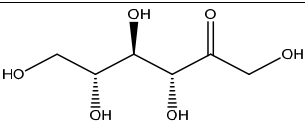
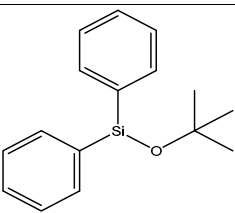
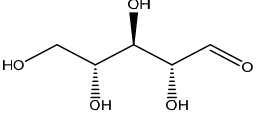
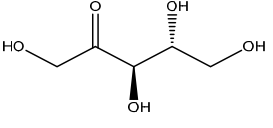
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| DME                    | <br><chem>COCCOC</chem>                                         |
| DMF                    | <br><chem>CN(C)C=O</chem>                                       |
| DMIPS                  | <br><chem>CC(C)[Si](C)C</chem>                                  |
| Dmnb                   | <br><chem>COC1=C(OC)C=C(COC=O)C(C)=C1</chem>                    |
| Dmoc                   | <br><chem>CN(C)OC=O</chem>                                      |
| DMPM                   | <br><chem>COC1=C(OC)C=C(C)C=C1</chem>                          |
| DMPS                   | <br><chem>C[Si](C)C1=CC=CC=C1</chem>                          |
| DMS                    | <br><chem>CSC</chem>                                          |
| DMSO                   | <br><chem>CS(C)=O</chem>                                      |
| DMT                    | <br><chem>COC1=CC=C(C=C1)C(C2=CC=CC=C2)C3=CC=C(OC)C=C3</chem> |

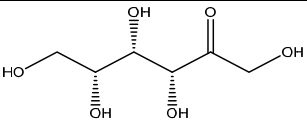
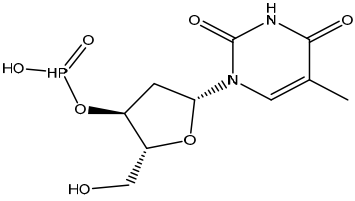
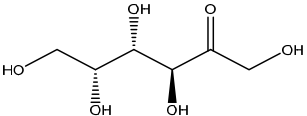
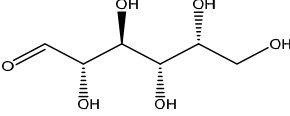
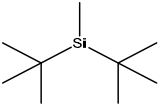
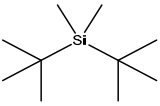
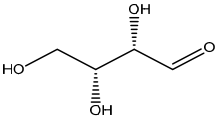
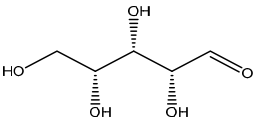
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| DMTr                   | <br><chem>COC1=CC=C(C=C1)C(C2=CC=CC=C2)C3=CC=C(OC)C=C3</chem> |
| DNBZ                   | <br><chem>[O-][N+](=O)C1=CC(=CC(=O)C=C1)[N+](=O)[O-]</chem>   |
| Dnp                    | <br><chem>C1=C(N(=O)=O)C=C(N(=O)=O)C=C1</chem>                |
| DNPS                   | <br><chem>[O-][N+](=O)C1=CC(=C(S)C=C1)[N+](=O)[O-]</chem>   |
| Dns                    | <br><chem>CN(C)C1=CC=CC2=C1C=CC(=C2)S(=O)=O</chem>          |
| Doc                    | <br><chem>CC(C)C(OC=O)C(C)C</chem>                          |

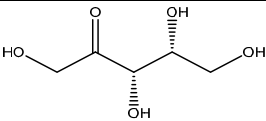
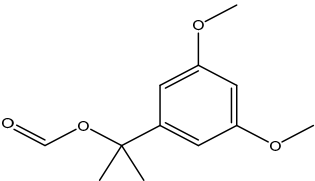
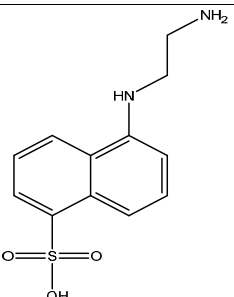
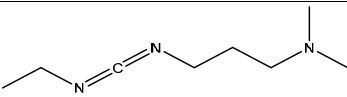
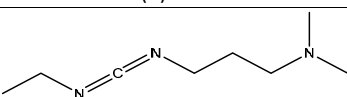
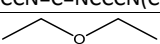
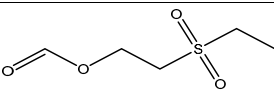
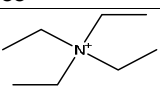
# ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| DPIPS                  | <br><chem>CC(C)O[Si](C1=CC=CC=C1)C2=CC=CC=C2</chem>       |
| Dpp                    | <br><chem>O=P(OC1=CC=CC=C1)OC1=CC=CC=C1</chem>            |
| DPPA                   | <br><chem>[N-]=[N+]=NP(=O)(C1=CC=CC=C1)C1=CC=CC=C1</chem> |
| DPsico                 | <br><chem>OCC(=O)[C@H](O)[C@H](O)[C@H](O)CO</chem>       |
| DPTBS                  | <br><chem>CC(C)(C)O[Si](C1=CC=CC=C1)C2=CC=CC=C2</chem>  |
| DRibos                 | <br><chem>OC[C@@H](O)[C@@H](O)[C@@H](O)C=O</chem>       |
| DRibul                 | <br><chem>OC[C@@H](O)[C@@H](O)C(=O)CO</chem>            |

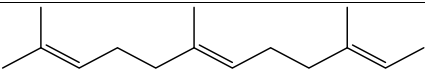
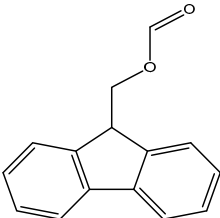
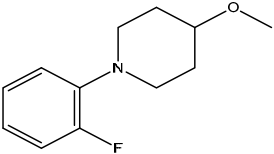
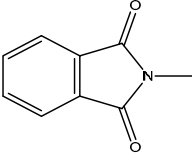
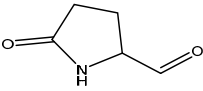
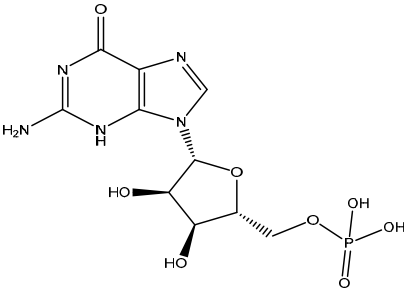
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| DSorbo                 | <br><chem>OCC(=O)[C@H](O)[C@@H](O)[C@H](O)CO</chem>                     |
| dT                     | <br><chem>CC1=CN([C@H]2C[C@H](O[PH](O)=O)[C@@H](CO)O2)C(=O)NC1=O</chem> |
| DTagat                 | <br><chem>OCC(=O)[C@@H](O)[C@@H](O)[C@H](O)CO</chem>                    |
| DTalos                 | <br><chem>OC[C@@H](O)[C@H](O)[C@H](O)[C@H](O)C=O</chem>                |
| DTBMS                  | <br><chem>C[Si](C(C)(C)C)C(C)(C)C</chem>                              |
| DTBS                   | <br><chem>C[Si](C(C)(C)C)C(C)(C)C</chem>                              |
| DThreo                 | <br><chem>OC[C@@H](O)[C@H](O)C=O</chem>                               |
| DXylos                 | <br><chem>OC[C@@H](O)[C@H](O)[C@@H](O)C=O</chem>                      |

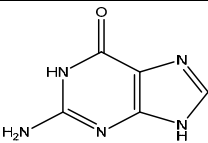
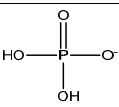
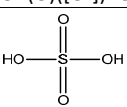
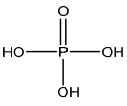
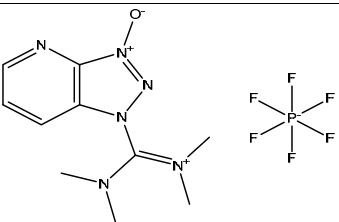
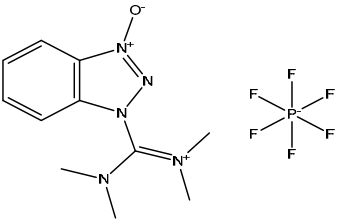
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| DXylul                 | <br><chem>OC[C@H](O)[C@H](O)C(=O)CO</chem>          |
| Ddz                    | <br><chem>COC1=CC(=CC(OC)=C1)C(C)(C)OC=O</chem>     |
| EDANS                  | <br><chem>NCCNC1=CC=CC=C2C(=CC=C1)S(=O)(=O)O</chem> |
| EDC                    | <br><chem>CCN=C=NCCCN(C)C</chem>                  |
| EDCI                   | <br><chem>CCN=C=NCCCN(C)C</chem>                  |
| EE                     | <br><chem>CCOCC</chem>                            |
| Esc                    | <br><chem>CCS(=O)(=O)CCOC=O</chem>                |
| Et                     | <chem>CC</chem>                                                                                                                      |
| Et4N                   | <br><chem>CC[N+](CC)(CC)CC</chem>                 |
| Ethyl                  | <chem>CC</chem>                                                                                                                      |

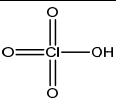
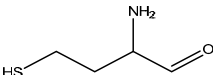
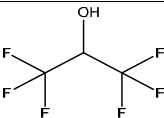
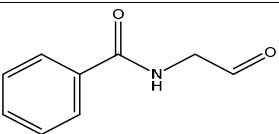
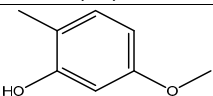
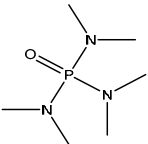
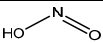
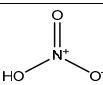
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EtOH                   | <br><chem>CCO</chem>                                                                   |
| Farnesyl               | <br><chem>C/C=C/C/C=C/C/C=C/C</chem>                                                   |
| Fmoc                   | <br><chem>O=COC1C2=CC=CC=C2C3=CC=CC=C3</chem>                                          |
| For                    | <br><chem>C=O</chem>                                                                   |
| Fmp                    | <br><chem>COC1CCN(CC1)C1=C(F)C=CC=C1</chem>                                            |
| Ft                     | <br><chem>CN1C(=O)C2=C(C=CC=C2)C1=O</chem>                                           |
| Glp                    | <br><chem>O=CC1CCC(=O)N1</chem>                                                      |
| GMP                    | <br><chem>NC1=NC(=O)C2=C(N1)N(C=N2)[C@@H]1O[C@H](COP(=O)(O)O)[C@@H](O)[C@H]1O</chem> |

# ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gua                    | <br><chem>NC1=NC2=C(N=CN2)C(=O)N1</chem>                                         |
| H2                     | <chem>H—H</chem><br><chem>[H][H]</chem>                                                                                                                           |
| H2O                    | <br><chem>[H]O[H]</chem>                                                         |
| H2O2                   | <chem>HO—OH</chem><br><chem>OO</chem>                                                                                                                             |
| H2PO4                  | <br><chem>OP(O)([O-])=O</chem>                                                   |
| H2SO4                  | <br><chem>OS(O)(=O)=O</chem>                                                     |
| H3PO4                  | <br><chem>OP(O)(O)=O</chem>                                                    |
| HATU                   | <br><chem>F[P-](F)(F)(F)(F)F.CN(C)C(N1N=[N+][O-])C2=C1C=CC=N2)=[N+](C)C</chem> |
| HBTU                   | <br><chem>F[P-](F)(F)(F)(F)F.CN(C)C(N1N=[N+][O-])C2=C1C=CC=C2)=[N+](C)C</chem> |
| HCl                    | <chem>H—Cl</chem><br><chem>Cl[H]</chem>                                                                                                                           |

## ChemAxon Marvin JS: Abbreviated Group Templates

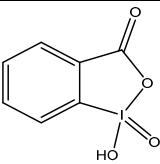
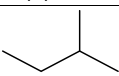
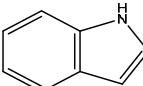
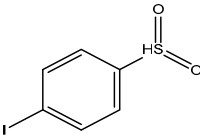
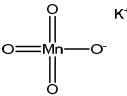
| Abbreviated Group Name | Structure                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------|
| HClO <sub>4</sub>      | <br><chem>OCl(=O)(=O)=O</chem>              |
| Hcy                    | <br><chem>NC(CCS)C=O</chem>                 |
| Hex                    | <br><chem>CCCCCC</chem>                     |
| HFIP                   | <br><chem>C(C(F)(F)F)(C(F)(F)F)O</chem>     |
| Hippuryl               | <br><chem>O=CCNC(=O)C1=CC=CC=C1</chem>      |
| Hmb                    | <br><chem>COC1=CC=C(C(O)=C1)C(=O)O</chem> |
| HMPA                   | <br><chem>O=P(N(C)C)(N(C)C)N(C)C</chem>   |
| HNO <sub>2</sub>       | <br><chem>ON=O</chem>                     |
| HNO <sub>3</sub>       | <br><chem>O[N+](=[O-])=O</chem>           |



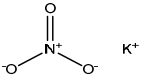
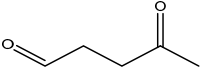
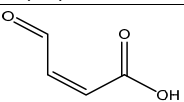
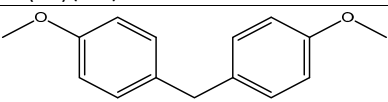
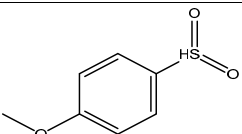
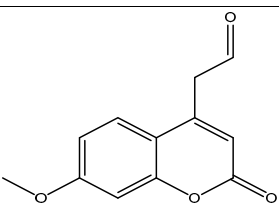
# ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                           |
|------------------------|-------------------------------------|
| HOAt                   | <br><chem>ON1N=NC2=CC=CN=C12</chem> |
| HOBt                   | <br><chem>ON1N=NC2=CC=CC=C12</chem> |
| HPO4                   | <br><chem>OP([O-])([O-])=O</chem>   |
| Hse                    | <br><chem>NC(CCO)C=O</chem>         |
| HSO4                   | <br><chem>OS([O-])(=O)=O</chem>     |
| I2                     | <chem>I—I</chem><br><chem>I</chem>  |
| iAm                    | <br><chem>CCC(C)C</chem>            |
| i-Am                   | <br><chem>CCC(C)C</chem>            |
| iBu                    | <br><chem>CC(C)C</chem>             |
| i-Bu                   | <br><chem>CC(C)C</chem>             |

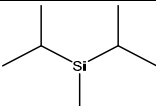
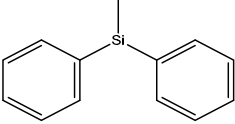
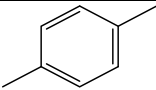
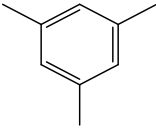
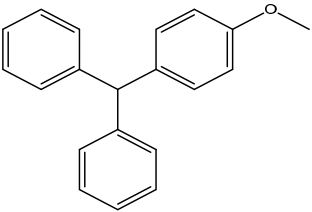
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| IBX                    | <br><chem>O[I]1(=O)OC(=O)C2=CC=CC=C12</chem> |
| i-C3H7                 | <br><chem>CCC</chem>                         |
| i-C4H9                 | <br><chem>CC(C)C</chem>                      |
| i-C5H11                | <br><chem>CCC(C)C</chem>                     |
| Im                     | <br><chem>N1C=CN=C1</chem>                   |
| Indole                 | <br><chem>N1C=CC2=C1C=CC=C2</chem>          |
| IPA                    | <br><chem>CC(C)O</chem>                    |
| iPr                    | <br><chem>CCC</chem>                       |
| i-Pr                   | <br><chem>CCC</chem>                       |
| Ips                    | <br><chem>IC1=CC=C(C=C1)S(=O)(=O)O</chem>  |
| KMnO4                  | <br><chem>[K+].[O-][Mn](=O)(=O)=O</chem>   |

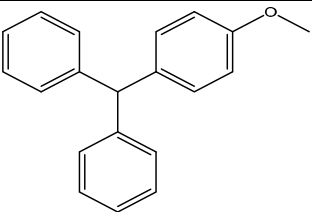
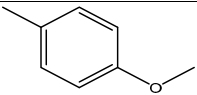
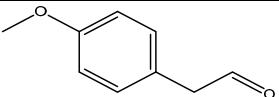
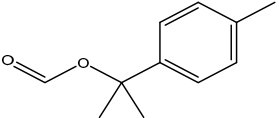
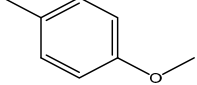
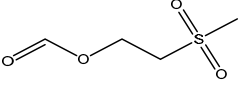
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| KNO2                   | <br><chem>[K+].[O-]N=O</chem>                     |
| KNO3                   | <br><chem>[K+].[O-][N+](=[O-])=O</chem>           |
| KOH                    | <br><chem>[OH-].[K+]</chem>                       |
| Lev                    | <br><chem>CC(=O)CCC=O</chem>                      |
| Mal                    | <br><chem>OC(=O)\C=C/C=O</chem>                   |
| Mbh                    | <br><chem>COC1=CC=C(CC2=CC=C(OC)C=C2)C=C1</chem> |
| Mbs                    | <br><chem>COC1=CC=C(C=C1)S(=O)=O</chem>         |
| m-C6H4                 | <br><chem>C1=CC=CC=C1</chem>                    |
| MCA                    | <br><chem>COC1=CC=C2C(CC=O)=CC(=O)OC2=C1</chem> |

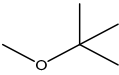
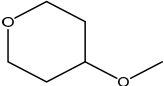
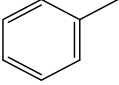
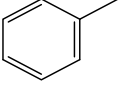
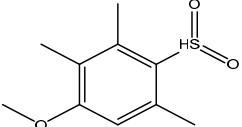
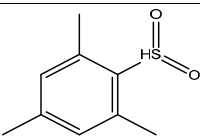
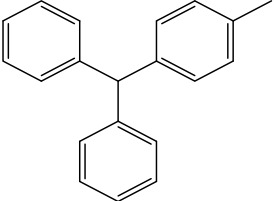
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| MDIPS                  | <br><chem>CC(C)[Si](C)(C)C(C)C</chem>                       |
| MDPS                   | <br><chem>C[Si](C1=CC=CC=C1)C2=CC=CC=C2</chem>              |
| Me                     | $\text{CH}_3$<br><chem>C</chem>                                                                                                              |
| Me3N                   | <br><chem>CN(C)C</chem>                                     |
| Meb                    | <br><chem>CC1=CC=C(C)C=C1</chem>                            |
| MEM                    | <br><chem>COCCOC</chem>                                   |
| Mes                    | <br><chem>CC1=CC(C)=CC(C)=C1</chem>                       |
| MgBr                   | $\text{Mg} \text{---} \text{Br}$<br><chem>[Mg]Br</chem>                                                                                      |
| MgCl                   | $\text{Mg} \text{---} \text{Cl}$<br><chem>[Mg]Cl</chem>                                                                                      |
| MMT                    | <br><chem>COC1=CC=C(C=C1)C(C2=CC=CC=C2)C3=CC=CC=C3</chem> |

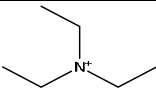
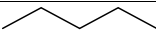
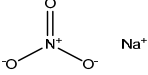
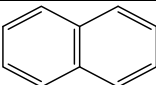
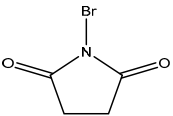
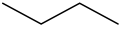
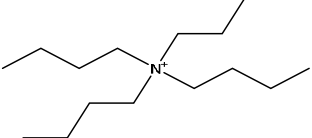
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| MMTr                   | <br><chem>COC1=CC=C(C=C1)C(C2=CC=CC=C2)C3=CC=CC=C3</chem> |
| MnO2                   | <chem>O=Mn=O</chem><br><chem>O=[Mn]=O</chem>                                                                                               |
| Mob                    | <br><chem>COC1=CC=C(C=C1)C=C1</chem>                      |
| MOM                    | <br><chem>COC</chem>                                      |
| Moz                    | <br><chem>COC1=CC=C(CC=O)C=C1</chem>                      |
| Mpc                    | <br><chem>CC1=CC=C(C=C1)C(C)(C)OC=O</chem>              |
| m-Phenylene            | <br><chem>C1=CC=CC=C1</chem>                            |
| MPM                    | <br><chem>CC1=CC=C(OC)C=C1</chem>                       |
| Ms                     | <br><chem>CS(=O)=O</chem>                               |
| Msc                    | <br><chem>CS(=O)(=O)CCOC=O</chem>                       |

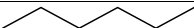
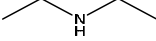
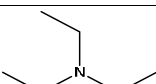
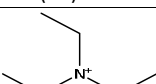
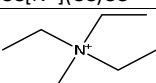
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| MSM                    | <br><chem>CSC</chem>                                       |
| MTBE                   | <br><chem>COC(C)(C)C</chem>                                |
| Mthp                   | <br><chem>COC1CCOCC1</chem>                                |
| MTM                    | <br><chem>CSC</chem>                                       |
| m-Tol                  | <br><chem>CC1=CC=CC=C1</chem>                              |
| m-Tolyl                | <br><chem>CC1=CC=CC=C1</chem>                              |
| Mtr                    | <br><chem>COC1=C(C)C(C)=C(C(C)=C1)S(=O)=O</chem>         |
| Mts                    | <br><chem>CC1=CC(C)=C(C(C)=C1)S(=O)=O</chem>             |
| Mtt                    | <br><chem>CC1=CC=C(C=C1)C(C2=CC=CC=C2)C3=CC=CC=C3</chem> |

# ChemAxon Marvin JS: Abbreviated Group Templates

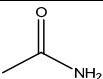
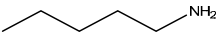
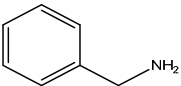
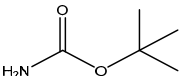
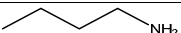
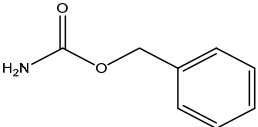
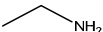
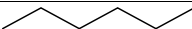
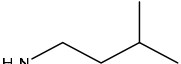
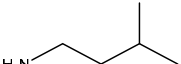
| Abbreviated Group Name | Structure                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------|
| N+Et3                  | <br><chem>CC[N+](CC)CC</chem>               |
| N+Me3                  | <br><chem>C[N+](C)C</chem>                  |
| N2                     | <chem>N#N</chem><br><chem>N#N</chem>                                                                                         |
| N2+                    | <chem>N#N+</chem><br><chem>N#[N+]</chem>                                                                                     |
| N3                     | <chem>HN=N+=N-</chem><br><chem>N=[N+]=[N-]</chem>                                                                            |
| NaCl                   | <chem>Na+ [Cl-]</chem><br><chem>[Na+].[Cl-]</chem>                                                                           |
| n-Am                   | <br><chem>CCCCC</chem>                      |
| NaNO2                  | <br><chem>[Na+].[O-]N=O</chem>              |
| NaNO3                  | <br><chem>[Na+].[O-][N+](O-)=O</chem>     |
| NaOH                   | <chem>Na+ OH-</chem><br><chem>[OH-].[Na+]</chem>                                                                             |
| Naph                   | <br><chem>C1=CC=CC2=C1C=CC=CC2</chem>     |
| NBS                    | <br><chem>BrN1C(=O)CCC1=O</chem>          |
| n-Bu                   | <br><chem>CCCC</chem>                     |
| NBu4                   | <br><chem>CCCC[N+](CCCC)(CCCC)CCCC</chem> |

## ChemAxon Marvin JS: Abbreviated Group Templates

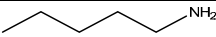
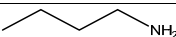
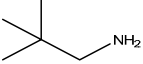
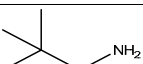
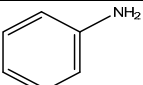
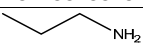
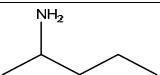
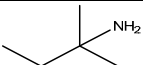
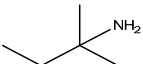
| Abbreviated Group Name             | Structure                                                                                               |
|------------------------------------|---------------------------------------------------------------------------------------------------------|
| NC                                 | $\text{C}\equiv\text{N}^+$<br>[N+]#[C-]                                                                 |
| n-C <sub>3</sub> H <sub>7</sub>    | <br>CCC                |
| n-C <sub>4</sub> H <sub>9</sub>    | <br>CCCC               |
| n-C <sub>5</sub> H <sub>11</sub>   | <br>CCCCC              |
| n-C <sub>6</sub> H <sub>13</sub>   | <br>CCCCCC             |
| NCO                                | $\text{O}=\text{C}=\text{NH}$<br>N=C=O                                                                  |
| NCS                                | $\text{S}=\text{C}=\text{NH}$<br>N=C=S                                                                  |
| neoAm                              | <br>CC(C)(C)C          |
| neo-Am                             | <br>CC(C)(C)C          |
| neo-C <sub>5</sub> H <sub>11</sub> | <br>CC(C)(C)C        |
| NEt <sub>2</sub>                   | <br>CCNCC            |
| NEt <sub>3</sub>                   | <br>CCN(CC)CC        |
| N+Et <sub>3</sub>                  | <br>CC[N+](CC)CC     |
| N+Et <sub>4</sub>                  | <br>CC[N+](CC)(CC)CC |



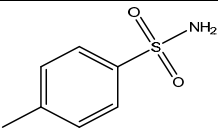
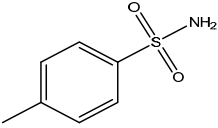
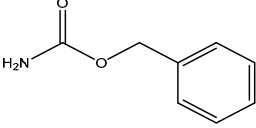
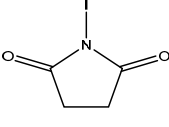
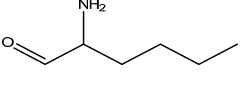
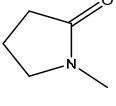
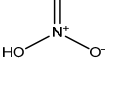
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| NHAc                   | <br><chem>CC(N)=O</chem>              |
| NHAm                   | <br><chem>CCCCCN</chem>               |
| NHBn                   | <br><chem>NCC1=CC=CC=C1</chem>        |
| NHBoc                  | <br><chem>CC(C)(C)OC(N)=O</chem>      |
| NHBu                   | <br><chem>CCCCN</chem>                |
| NHCbz                  | <br><chem>NC(=O)OCC1=CC=CC=C1</chem> |
| NHEt                   | <br><chem>CCN</chem>                |
| n-Hex                  | <br><chem>CCCCCC</chem>             |
| NHiAm                  | <br><chem>CC(C)CCN</chem>           |
| NHi-Am                 | <br><chem>CC(C)CCN</chem>           |
| NHiPr                  | <br><chem>CC(C)N</chem>             |
| NHi-Pr                 | <br><chem>CC(C)N</chem>             |
| NHMe                   | <br><chem>CN</chem>                 |

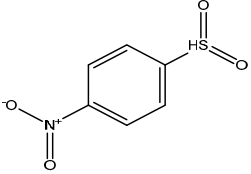
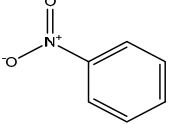
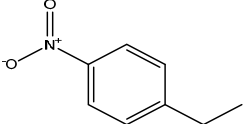
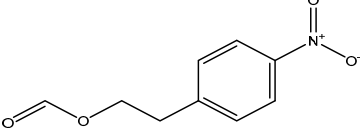
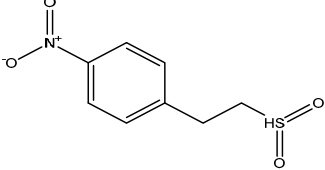
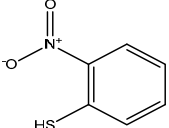
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------|
| NHn-Am                 | <br><chem>CCCCCCN</chem>      |
| NHn-Bu                 | <br><chem>CCCCN</chem>        |
| NHneoAm                | <br><chem>CC(C)(C)CN</chem>   |
| NHneo-Am               | <br><chem>CC(C)(C)CN</chem>   |
| NHOH                   | $\text{H}_2\text{N}-\text{OH}$<br><chem>NO</chem>                                                              |
| NHPh                   | <br><chem>NC1=CC=CC=C1</chem> |
| NHPr                   | <br><chem>CCCN</chem>         |
| NHs-Am                 | <br><chem>CCCC(C)N</chem>   |
| NHs-Bu                 | <chem>CCC(C)NH</chem>                                                                                          |
| NHtAm                  | <br><chem>CCC(C)(C)N</chem> |
| NHt-Am                 | <br><chem>CCC(C)(C)N</chem> |
| NHtBu                  | <br><chem>CC(C)(C)N</chem>  |
| NHt-Bu                 | <br><chem>CC(C)(C)N</chem>  |

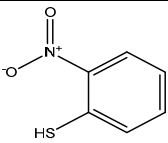
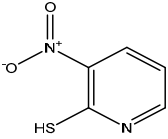
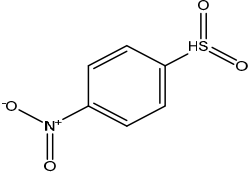
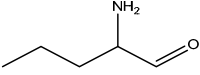
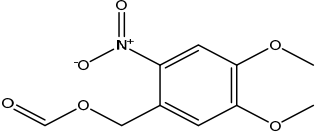
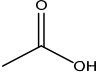
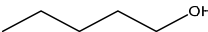
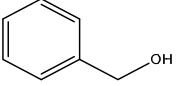
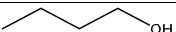
# ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| NHTos                  | <br><chem>CC1=CC=C(C=C1)S(N)(=O)=O</chem> |
| NHTs                   | <br><chem>CC1=CC=C(C=C1)S(N)(=O)=O</chem> |
| NHZ                    | <br><chem>NC(=O)OCC1=CC=CC=C1</chem>      |
| NIS                    | <br><chem>IN1C(=O)CCC1=O</chem>          |
| Nitroso                | <chem>HN=O</chem><br><chem>N=O</chem>                                                                                      |
| Nle                    | <br><chem>CCCCC(N)C=O</chem>            |
| NMe2                   | <br><chem>CNC</chem>                    |
| NMP                    | <br><chem>CN1CCCC1=O</chem>             |
| NO                     | <chem>HN=O</chem><br><chem>N=O</chem>                                                                                      |
| NO2                    | <br><chem>[N+][O-]=O</chem>             |
| NO3                    | <br><chem>O[N+][O-]=O</chem>            |

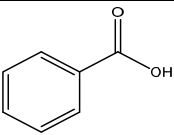
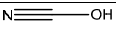
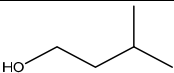
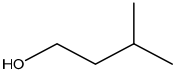
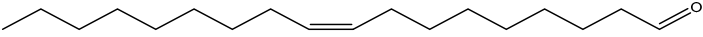
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Nosyl                  | <br><chem>[O-][N+](=O)C1=CC=C(C=C1)S(=O)=O</chem>     |
| Np                     | <br><chem>[O-][N+](=O)C1=CC=CC=C1</chem>              |
| Npe                    | <br><chem>CCC1=CC=C(C=C1)[N+](=[O-])=O</chem>         |
| Npeoc                  | <br><chem>[O-][N+](=O)C1=CC=C(CCOC=O)C=C1</chem>     |
| Npes                   | <br><chem>[O-][N+](=O)C1=CC=C(CCS(=O)=O)C=C1</chem> |
| n-Pr                   | <br><chem>CCC</chem>                                |
| Nps                    | <br><chem>[O-][N+](=O)C1=C(S)C=CC=C1</chem>         |

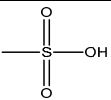
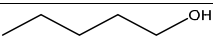
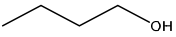
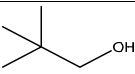
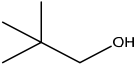
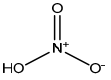
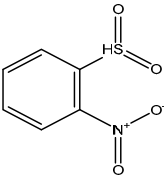
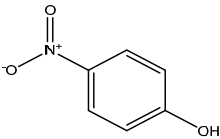
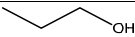
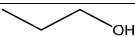
# ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Nps                    | <br><chem>[O-][N+](=O)C1=CC=CC=C1S</chem>                  |
| Npys                   | <br><chem>[O-][N+](=O)C1=C(S)N=CC=C1</chem>                |
| Ns                     | <br><chem>[O-][N+](=O)C1=CC=C(C(=C1)S(=O)=O)</chem>        |
| Nva                    | <br><chem>CCCC(N)C=O</chem>                               |
| Nvoc                   | <br><chem>COC1=C(OC)C=C(C(COC=O)=C1)[N+](=[O-])=O</chem> |
| O2                     | <chem>O=O</chem>                                                                                                                            |
| OAc                    | <br><chem>CC(O)=O</chem>                                 |
| OAm                    | <br><chem>CCCCCO</chem>                                  |
| OBn                    | <br><chem>OCC1=CC=CC=C1</chem>                           |
| OBu                    | <br><chem>CCCCO</chem>                                   |

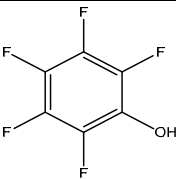
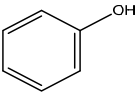
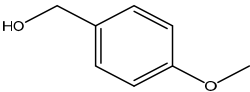
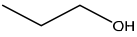
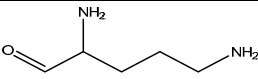
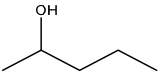
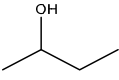
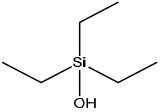
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------|
| OBz                    | <br><chem>OC(=O)C1=CC=CC=C1</chem>          |
| o-C6H4                 | <br><chem>C1=CC=CC=C1</chem>                |
| OCN                    | <br><chem>OC#N</chem>                       |
| OEt                    | <br><chem>CCO</chem>                        |
| OH2+                   | <chem>OH2+</chem><br><chem>[OH2+]</chem>                                                                                     |
| OiAm                   | <br><chem>CC(C)CCO</chem>                   |
| Oi-Am                  | <br><chem>CC(C)CCO</chem>                  |
| OiPr                   | <br><chem>CC(C)O</chem>                   |
| Oi-Pr                  | <br><chem>CC(C)O</chem>                   |
| OK                     | $\text{K}^+ \text{ OH}^-$<br><chem>[OH-].[K+]</chem>                                                                         |
| Oleoyl                 | <br><chem>CCCCCCCC/C=C/CCCCCCCC=O</chem> |
| OLi                    | $\text{Li}^+ \text{ OH}^-$<br><chem>[OH-].[Li+]</chem>                                                                       |
| OMe                    | <br><chem>CO</chem>                       |
| OMe3Si                 | <br><chem>C[Si](C)(C)O</chem>             |

## ChemAxon Marvin JS: Abbreviated Group Templates

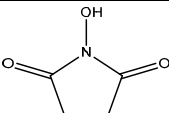
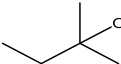
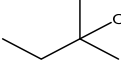
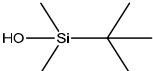
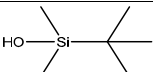
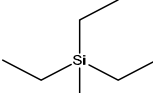
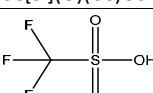
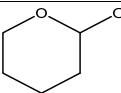
| Abbreviated Group Name | Structure                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| OMs                    | <br><chem>CS(=O)(=O)O</chem>                              |
| ONa                    | $\text{Na}^+ \text{OH}^-$<br><chem>[OH-].[Na+]</chem>                                                                                      |
| On-Am                  | <br><chem>CCCCCCO</chem>                                  |
| On-Bu                  | <br><chem>CCCCO</chem>                                    |
| OneoAm                 | <br><chem>CC(C)(C)CO</chem>                               |
| Oneo-Am                | <br><chem>CC(C)(C)CO</chem>                               |
| ONO2                   | <br><chem>O[N+]([O-])=O</chem>                           |
| o-Nos                  | <br><chem>[O-][N+](=O)C1=CC=C(C=C1)S(=O)(=O)[O-]</chem> |
| ONp                    | <br><chem>OC1=CC=C(C=C1)[N+](=[O-])=O</chem>            |
| OnPr                   | <br><chem>CCCO</chem>                                   |
| On-Pr                  | <br><chem>CCCO</chem>                                   |

## ChemAxon Marvin JS: Abbreviated Group Templates

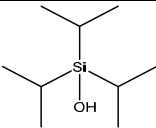
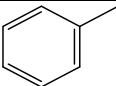
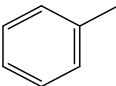
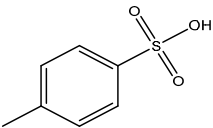
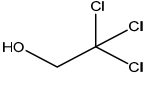
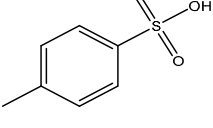
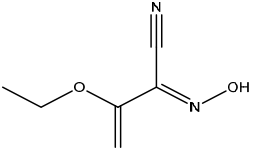
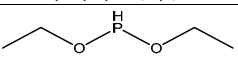
| Abbreviated Group Name | Structure                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| OPfp                   | <br><chem>OC1=C(F)C(F)=C(F)C(F)=C1F</chem> |
| OPh                    | <br><chem>OC1=CC=CC=C1</chem>              |
| o-Phenylene            | <br><chem>C1=CC=CC=C1</chem>               |
| OPMB                   | <br><chem>COC1=CC=C(CO)C=C1</chem>         |
| OPr                    | <br><chem>CCCO</chem>                    |
| Orn                    | <br><chem>NCCCC(N)C=O</chem>             |
| Os-Am                  | <br><chem>CCCC(C)O</chem>                |
| Os-Bu                  | <br><chem>CCC(C)O</chem>                 |
| OSiEt3                 | <br><chem>CC[Si](O)(CC)CC</chem>         |
| OSiME3                 | <br><chem>C[Si](C)(C)O</chem>            |



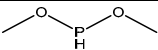
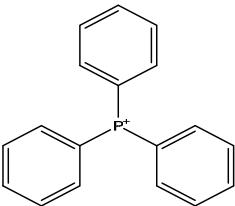
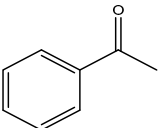
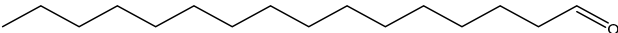
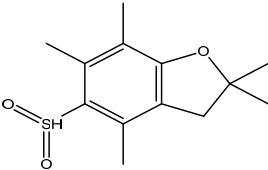
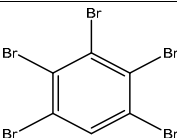
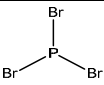
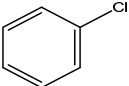
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| OSu                    | <br><chem>ON1C(=O)CCC1=O</chem>       |
| OtAm                   | <br><chem>CCC(C)(C)O</chem>           |
| Ot-Am                  | <br><chem>CCC(C)(C)O</chem>           |
| OTBDMS                 | <br><chem>CC(C)(C)[Si](C)(C)O</chem>  |
| OTBS                   | <br><chem>CC(C)(C)[Si](C)(C)O</chem>  |
| OtBu                   | <br><chem>CC(C)(C)O</chem>          |
| Ot-Bu                  | <br><chem>CC(C)(C)O</chem>          |
| OTES                   | <br><chem>CC[Si](O)(CC)CC</chem>    |
| OTf                    | <br><chem>OS(=O)(=O)C(F)(F)F</chem> |
| OTHP                   | <br><chem>C1CCCOC1O</chem>          |

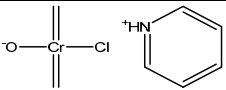
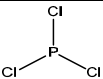
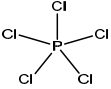
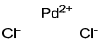
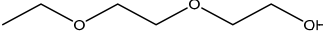
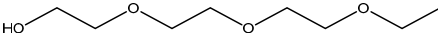
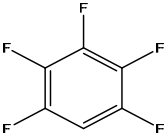
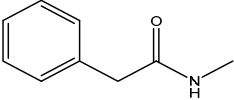
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------|
| OTIPS                  | <br><chem>CC(C)[Si](O)(C(C)C)C(C)C</chem>   |
| OTMS                   | <br><chem>C[Si](C)(C)O</chem>               |
| o-Tol                  | <br><chem>CC1=CC=CC=C1</chem>               |
| o-Tolyl                | <br><chem>CC1=CC=CC=C1</chem>               |
| OTos                   | <br><chem>CC1=CC=C(C=C1)S(=O)(=O)O</chem>  |
| OTre                   | <br><chem>OCC(Cl)(Cl)Cl</chem>            |
| OTs                    | <br><chem>CC1=CC=C(C=C1)S(=O)(=O)O</chem> |
| Oxyrna                 | <br><chem>CCOC(=C)C(=N\O)\C#N</chem>      |
| P(OEt)2                | <br><chem>CCOP(=O)OCC</chem>              |

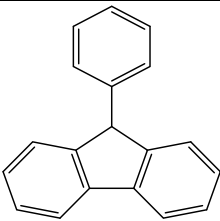
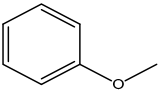
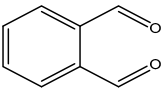
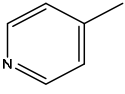
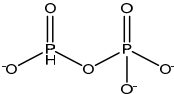
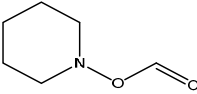
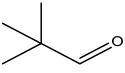
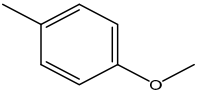
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name          | Structure                                                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| P(OMe) <sub>2</sub>             | <br>COPOC                                     |
| P+Ph <sub>3</sub>               | <br>C1=CC=C(C=C1)[P+](C2=CC=CC=C2)C3=CC=CC=C3 |
| Pac                             | <br>CC(=O)C1=CC=CC=C1                         |
| Pal                             | <br>CCCCCCCCCCCCCCCC=O                       |
| Pbf                             | <br>CC1=C(C)C(=C(C)C2=C1OC(C)(C)C2)S(=O)=O   |
| Pbp                             | <br>BrC1=CC(Br)=C(Br)C(Br)=C1Br             |
| PBr <sub>3</sub>                | <br>BrP(Br)Br                               |
| p-C <sub>6</sub> H <sub>4</sub> | <br>C1=CC=CC=C1                             |
| Pcb                             | <br>ClC1=CC=CC=C1                           |

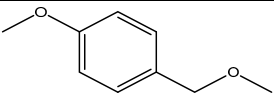
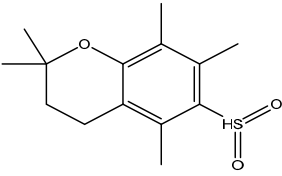
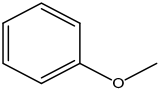
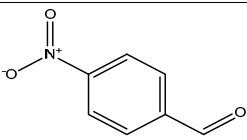
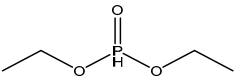
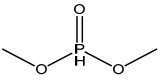
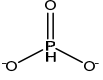
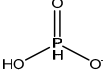
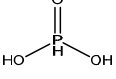
# ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| PCC                    | <br><chem>[O-][Cr](Cl)(=C)C1=CC=[NH+]C=C1</chem> |
| PCl3                   | <br><chem>ClP(Cl)Cl</chem>                       |
| PCl5                   | <br><chem>ClP(Cl)(Cl)(Cl)Cl</chem>               |
| PdCl2                  | <br><chem>[Cl-].[Cl-].[Pd+2]</chem>              |
| PEG3                   | <br><chem>CCOCCOCCO</chem>                       |
| PEG4                   | <br><chem>CCOCCOCCOCCO</chem>                    |
| PF6                    | <br><chem>F[P-](F)(F)(F)(F)F</chem>            |
| Pfp                    | <br><chem>FC1=CC(F)=C(F)C(F)=C1F</chem>        |
| Ph                     | <br><chem>C1=CC=CC=C1</chem>                   |
| Phacm                  | <br><chem>CNC(=O)CC1=CC=CC=C1</chem>           |
| Phenyl                 | <br><chem>C1=CC=CC=C1</chem>                   |

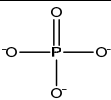
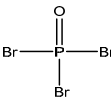
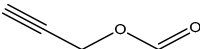
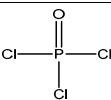
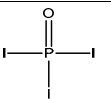
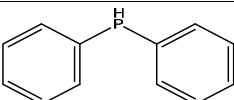
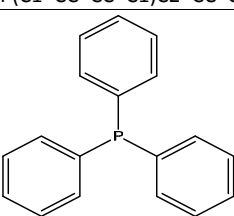
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| PhF                    | <br><chem>C1=CC=C(C=C1)C1C2=C(C=CC=C2)C2=C1C=CC=C2</chem> |
| PhOMe                  | <br><chem>COC1=CC=CC=C1</chem>                            |
| Pht                    | <br><chem>O=CC1=CC=CC=C1C(=O)O1</chem>                    |
| PI3                    | <br><chem>IP(I)I</chem>                                   |
| Pic                    | <br><chem>CC1=CC=NC=C1</chem>                            |
| PiP                    | <br><chem>[O-]P(=O)([O-])OP(=O)([O-])[O-]</chem>        |
| Pipoc                  | <br><chem>O=CON1CCCCC1</chem>                           |
| Piv                    | <br><chem>CC(C)(C)C=O</chem>                            |
| PMB                    | <br><chem>CC1=CC=C(OC)C=C1</chem>                       |

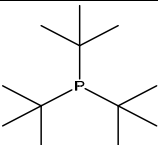
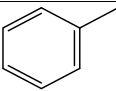
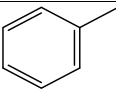
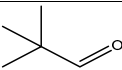
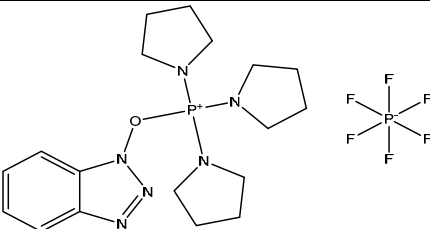
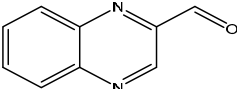
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| PMBM                   | <br><chem>COCC1=CC=C(OC)C=C1</chem>                    |
| Pmc                    | <br><chem>CC1=C2OC(C)(C)CCC2=C(C)C(=C1C)S(=O)=O</chem> |
| PMP                    | <br><chem>COC1=CC=CC=C1</chem>                         |
| PNB                    | <br><chem>[O-][N+](=O)C1=CC=C(C=O)C=C1</chem>          |
| PO(OEt)2               | <br><chem>CCOP(=O)OCC</chem>                         |
| PO(OMe)2               | <br><chem>COP(=O)OC</chem>                           |
| PO3                    | <br><chem>[O-]P(=O)[O-]</chem>                       |
| PO3H                   | <br><chem>[O-]P(=O)O</chem>                          |
| PO3H2                  | <br><chem>OP(=O)O</chem>                             |

## ChemAxon Marvin JS: Abbreviated Group Templates

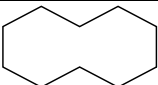
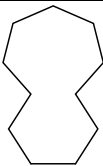
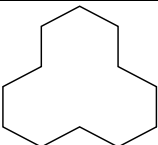
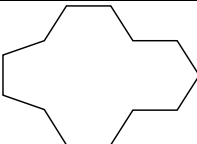
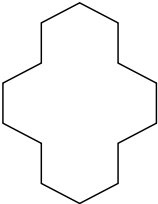
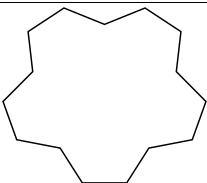
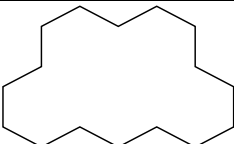
| Abbreviated Group Name | Structure                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| PO4                    | <br><chem>[O-]P([O-])([O-])=O</chem>                      |
| POBr3                  | <br><chem>BrP(Br)(Br)=O</chem>                            |
| Poc                    | <br><chem>O=COCC#C</chem>                                 |
| POCl3                  | <br><chem>ClP(Cl)(Cl)=O</chem>                            |
| POI3                   | <br><chem>IP(I)(I)=O</chem>                               |
| PPh2                   | <br><chem>P(C1=CC=CC=C1)C2=CC=CC=C2</chem>              |
| PPh3                   | <br><chem>C1=CC=C(C=C1)P(C2=CC=CC=C2)C3=CC=CC=C3</chem> |
| p-Phenylene            | <br><chem>C1=CC=CC=C1</chem>                            |
| Pr                     | <br><chem>CCC</chem>                                    |
| Prop                   | <br><chem>CCC</chem>                                    |

## ChemAxon Marvin JS: Abbreviated Group Templates

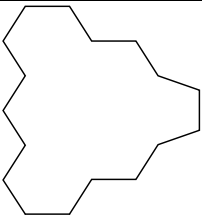
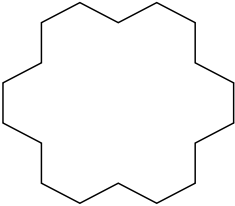
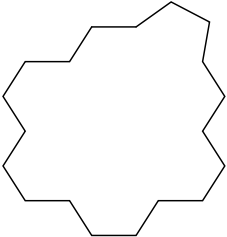
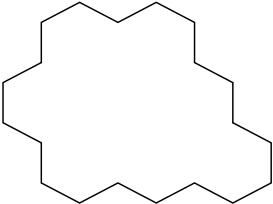
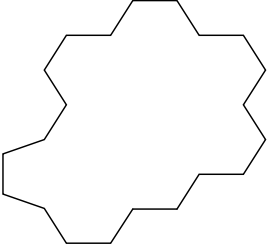
| Abbreviated Group Name | Structure                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PtBu3                  | <br><chem>CC(C)(C)P(C(C)(C)C)C(C)(C)C</chem>                                            |
| p-Tol                  | <br><chem>CC1=CC=CC=C1</chem>                                                           |
| p-Tolyl                | <br><chem>CC1=CC=CC=C1</chem>                                                           |
| Pv                     | <br><chem>CC(C)(C)C=O</chem>                                                            |
| Py                     | <br><chem>C1=NC=CC=C1</chem>                                                           |
| PyBOP                  | <br><chem>F[P-](F)(F)(F)(F)F.C1CCN(C1)[P+](ON1N=NC2=CC=CC=C12)(N1CCCC1)N1CCCC1</chem> |
| Pyrim                  | <br><chem>C1=NC=CC=N1</chem>                                                          |
| Qxc                    | <br><chem>O=CC1=NC2=CC=CC=C2N=C1</chem>                                               |



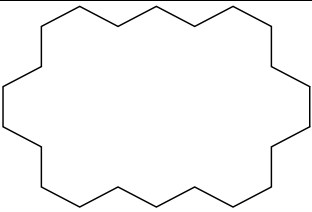
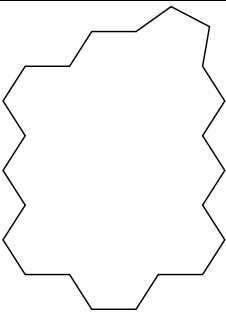
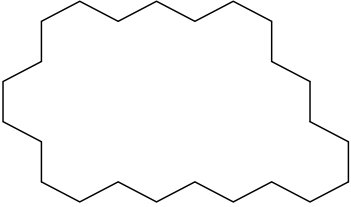
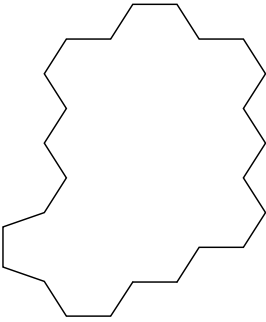
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------|
| ring10                 | <br><chem>C1CCCCCCCC1</chem>        |
| ring11                 | <br><chem>C1CCCCCCCCC1</chem>       |
| ring12                 | <br><chem>C1CCCCCCCCCCC1</chem>     |
| ring13                 | <br><chem>C1CCCCCCCCCCCC1</chem>   |
| ring14                 | <br><chem>C1CCCCCCCCCCCCC1</chem> |
| ring15                 | <br><chem>C1CCCCCCCCCCCCC1</chem> |
| ring16                 | <br><chem>C1CCCCCCCCCCCCC1</chem> |

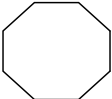
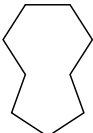
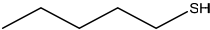
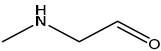
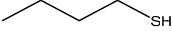
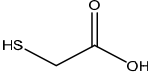
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------|
| ring17                 | <br><chem>C1CCCCCCCCCCCCCCC1</chem>     |
| ring18                 | <br><chem>C1CCCCCCCCCCCCCCCCC1</chem>   |
| ring19                 | <br><chem>C1CCCCCCCCCCCCCCCCC1</chem>  |
| ring20                 | <br><chem>C1CCCCCCCCCCCCCCCCC1</chem> |
| ring21                 | <br><chem>C1CCCCCCCCCCCCCCCCC1</chem> |

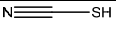
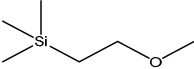
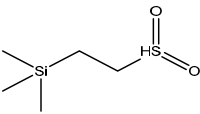
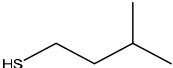
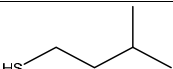
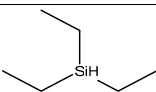
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------|
| ring22                 | <br><chem>C1CCCCCCCCCCCCCCCCCCCCC1</chem>   |
| ring23                 | <br><chem>C1CCCCCCCCCCCCCCCCCCCCC1</chem>   |
| ring24                 | <br><chem>C1CCCCCCCCCCCCCCCCCCCCC1</chem>  |
| ring25                 | <br><chem>C1CCCCCCCCCCCCCCCCCCCCC1</chem> |
| ring3                  | <br><chem>C1CC1</chem>                    |
| ring4                  | <br><chem>C1CCC1</chem>                   |

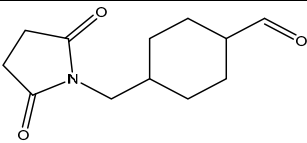
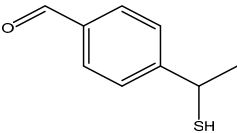
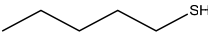
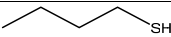
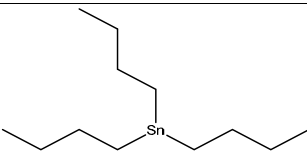
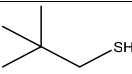
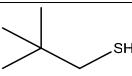
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------|
| ring5                  | <br><chem>C1CCCC1</chem>    |
| ring6                  | <br><chem>C1CCCCC1</chem>   |
| ring7                  | <br><chem>C1CCCCC1</chem>   |
| ring8                  | <br><chem>C1CCCCC1</chem>   |
| ring9                  | <br><chem>C1CCCCC1</chem>  |
| s-Am                   | <br><chem>CCCCC</chem>    |
| SAm                    | <br><chem>CCCCCS</chem>   |
| Sar                    | <br><chem>CNCC=O</chem>   |
| s-Bu                   | <br><chem>CCCC</chem>     |
| SBu                    | <br><chem>CCCCS</chem>    |
| s-Butyl                | <br><chem>CCCC</chem>     |
| s-C4H9                 | <br><chem>CCCC</chem>     |
| s-C5H11                | <br><chem>CCCCC</chem>    |
| Scm                    | <br><chem>OC(=O)CS</chem> |

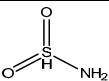
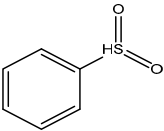
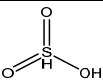
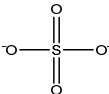
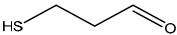
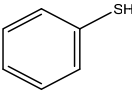
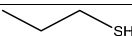
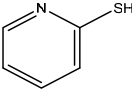
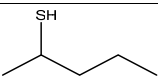
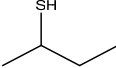
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------|
| SCN                    | <br><chem>SC#N</chem>                 |
| SEM                    | <br><chem>COCC[Si](C)(C)C</chem>      |
| SES                    | <br><chem>C[Si](C)(C)CCS(=O)=O</chem> |
| SEt                    | <br><chem>SCC</chem>                  |
| SiAm                   | <br><chem>CC(C)CCS</chem>             |
| Si-Am                  | <br><chem>CC(C)CCS</chem>             |
| SiEt3                  | <br><chem>CC[SiH](CC)CC</chem>      |
| SiMe3                  | <br><chem>C[Si](C)C</chem>          |
| SiPr                   | <br><chem>CC(C)S</chem>             |
| Si-Pr                  | <br><chem>CC(C)S</chem>             |
| SK                     | $\text{K}^+ \text{SH}^-$<br><chem>[K+].[SH-]</chem>                                                                    |
| SLi                    | $\text{Li}^+ \text{SH}^-$<br><chem>[Li+].[SH-]</chem>                                                                  |

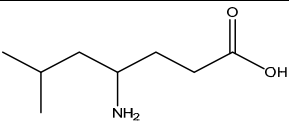
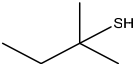
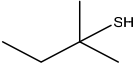
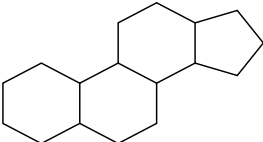
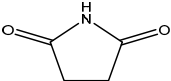
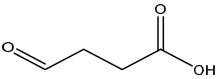
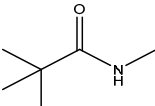
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| SMCC                   | <br><chem>O=CC1CCC(CN2C(=O)CCC2=O)CC1</chem> |
| SMe                    | $\text{—SH}$<br><chem>CS</chem>                                                                                               |
| SMPT                   | <br><chem>CC(S)C1=CC=C(C=O)C=C1</chem>       |
| SNa                    | $\text{Na}^+ \text{SH}^-$<br><chem>[Na+].[SH-]</chem>                                                                         |
| Sn-Am                  | <br><chem>CCCCCS</chem>                      |
| Sn-Bu                  | <br><chem>CCCCS</chem>                       |
| SnBu3                  | <br><chem>CCCC[Sn](CCCC)CCCC</chem>        |
| SneoAm                 | <br><chem>CC(C)(C)CS</chem>                |
| Sneo-Am                | <br><chem>CC(C)(C)CS</chem>                |
| SnMe3                  | <br><chem>C[Sn](C)C</chem>                 |
| SO2                    | $\text{O}=\text{S}=\text{O}$<br><chem>O=S=O</chem>                                                                            |
| SO2Cl                  | <br><chem>ClS(=O)=O</chem>                 |

## ChemAxon Marvin JS: Abbreviated Group Templates

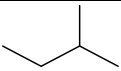
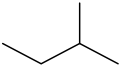
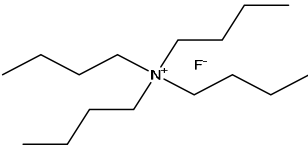
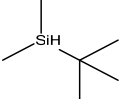
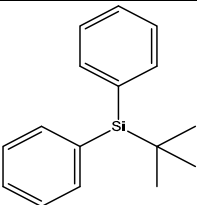
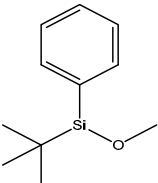
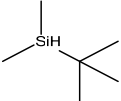
| Abbreviated Group Name | Structure                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------|
| SO2NH2                 | <br><chem>NS(=O)=O</chem>           |
| SO2Ph                  | <br><chem>O=S(=O)C1=CC=CC=C1</chem> |
| SO3H                   | <br><chem>OS(=O)=O</chem>           |
| SO4                    | <br><chem>[O-]S(=O)(=O)[O-]</chem>  |
| SPDP                   | <br><chem>SCCC=O</chem>             |
| SPh                    | <br><chem>SC1=CC=CC=C1</chem>     |
| SPr                    | <br><chem>CCCS</chem>             |
| SPy                    | <br><chem>SC1=CC=CC=N1</chem>     |
| Ss-Am                  | <br><chem>CCCC(C)S</chem>         |
| Ss-Bu                  | <br><chem>CCC(C)S</chem>          |

## ChemAxon Marvin JS: Abbreviated Group Templates

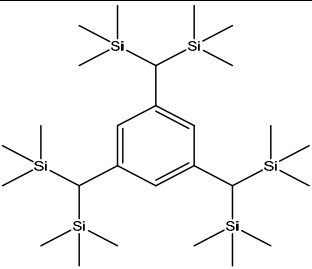
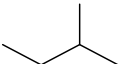
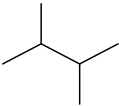
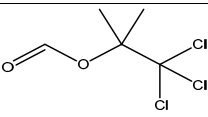
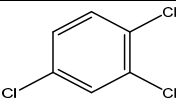
| Abbreviated Group Name | Structure                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Sta                    | <br><chem>CC(C)CC(N)CCC(=O)O</chem>            |
| StAm                   | <br><chem>CCC(C)(C)S</chem>                    |
| St-Am                  | <br><chem>CCC(C)(C)S</chem>                    |
| StBu                   | <br><chem>CC(C)(C)S</chem>                     |
| St-Bu                  | <br><chem>CC(C)(C)S</chem>                     |
| ster                   | <br><chem>C1CC2CCC3C(CCC4CCCCC34)C2C1</chem> |
| Su                     | <br><chem>O=C1CCC(=O)N1</chem>               |
| Suc                    | <br><chem>OC(=O)CCC=O</chem>                 |
| Tacm                   | <br><chem>CNC(=O)C(C)(C)C</chem>             |



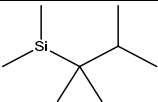
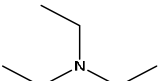
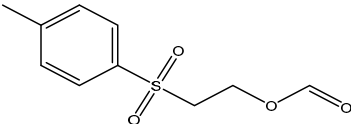
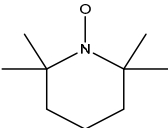
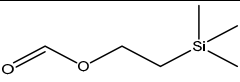
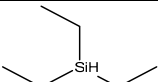
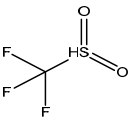
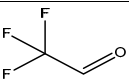
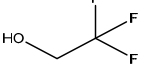
# ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| tAm                    | <br><chem>CCC(C)C</chem>                               |
| t-Am                   | <br><chem>CCC(C)C</chem>                               |
| TBAF                   | <br><chem>[F-].CCCC[N+](CCCC)(CCCC)CCCC</chem>         |
| TBDMS                  | <br><chem>C[SiH](C)C(C)(C)C</chem>                     |
| TBDPS                  | <br><chem>CC(C)(C)[Si](C1=CC=CC=C1)C2=CC=CC=C2</chem> |
| TBMPS                  | <br><chem>CO[Si](C1=CC=CC=C1)C(C)(C)C</chem>         |
| TBS                    | <br><chem>C[SiH](C)C(C)(C)C</chem>                   |

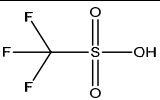
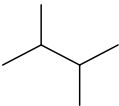
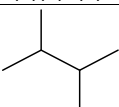
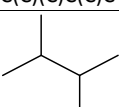
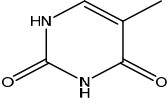
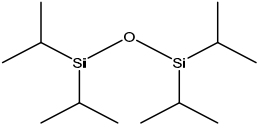
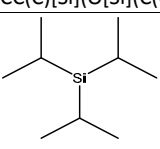
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TBT                    | <br><chem>C[Si](C)(C)C(C1=CC(=CC(=C1)C([Si](C)(C)C)C([Si](C)(C)C)C([Si](C)(C)C)C([Si](C)(C)C)C([Si](C)(C)C)C</chem> |
| tBu                    | <br><chem>C(C)(C)C</chem>                                                                                           |
| t-Bu                   | <br><chem>C(C)(C)C</chem>                                                                                           |
| t-Butyl                | <br><chem>C(C)(C)C</chem>                                                                                           |
| t-C4H9                 | <br><chem>C(C)(C)C</chem>                                                                                         |
| t-C5H11                | <br><chem>CCC(C)C</chem>                                                                                          |
| t-C6H13                | <br><chem>C(C)(C)C(C)C</chem>                                                                                     |
| Tcboc                  | <br><chem>CC(C)(OC=O)C(Cl)(Cl)Cl</chem>                                                                           |
| Tcp                    | <br><chem>ClC1=CC(Cl)=C(Cl)C=C1</chem>                                                                            |

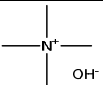
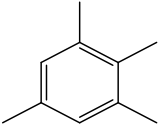
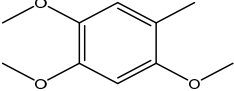
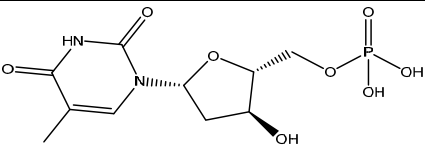
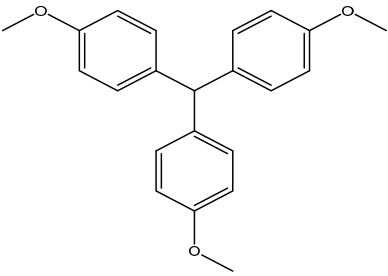
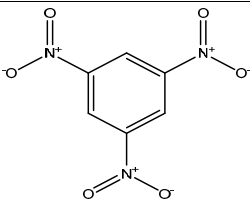
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| TDS                    | <br><chem>CC(C)C(C)(C)[Si](C)C</chem>          |
| TEA                    | <br><chem>CCN(CC)CC</chem>                     |
| Tec                    | <br><chem>CC1=CC=C(C=C1)S(=O)(=O)CCOC=O</chem> |
| TEMPO                  | <br><chem>CC1(C)CCCC(C)(C)N1[O]</chem>         |
| Teoc                   | <br><chem>C[Si](C)(C)CCOC=O</chem>           |
| TES                    | <br><chem>CC[SiH](CC)CC</chem>               |
| Tf                     | <br><chem>FC(F)(F)S(=O)=O</chem>             |
| Tfa                    | <br><chem>FC(F)(F)C=O</chem>                 |
| TFE                    | <br><chem>OCC(F)(F)F</chem>                  |

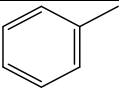
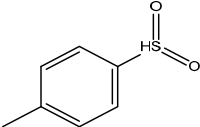
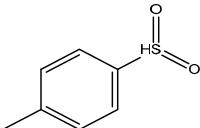
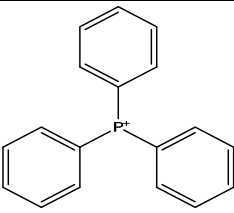
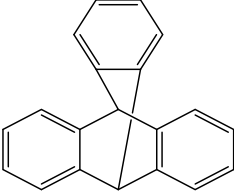
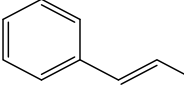
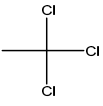
# ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| TFMSA                  | <br><chem>C(F)(F)(F)S(=O)(=O)O</chem>                |
| tHex                   | <br><chem>C(C)(C)C(C)C</chem>                        |
| t-Hex                  | <br><chem>C(C)(C)C(C)C</chem>                        |
| tHexyl                 | <br><chem>C(C)(C)C(C)C</chem>                        |
| THF                    | <br><chem>C1CCCO1</chem>                            |
| THP                    | <br><chem>C1CCCCO1</chem>                          |
| Thy                    | <br><chem>CC1=CNC(=O)NC1=O</chem>                  |
| TIPDS                  | <br><chem>CC(C)[Si](O[Si](C(C)C)C(C)C)C(C)C</chem> |
| TIPS                   | <br><chem>CC(C)[Si](C(C)C)C(C)C</chem>             |

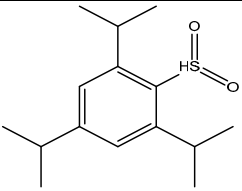
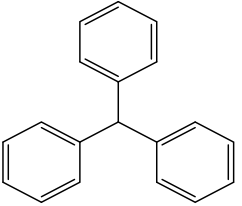
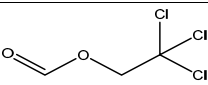
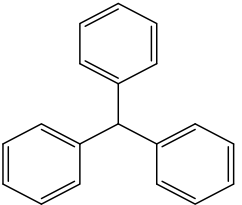
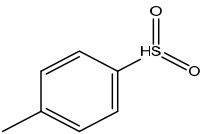
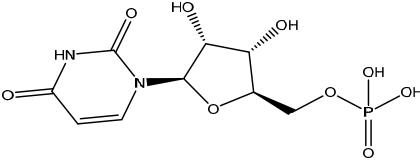
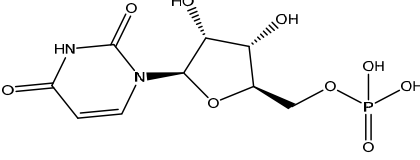
# ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| TMAH                   | <br><chem>C[N+](C)(C)C.[OH-]</chem>                                     |
| Tmb                    | <br><chem>CC1=CC(C)=C(C)C(C)=C1</chem>                                  |
| Tmob                   | <br><chem>COC1=CC(OC)=C(OC)C=C1C</chem>                                 |
| TMP                    | <br><chem>CC1=CN([C@H]2C[C@H](O)[C@@H](COP(=O)(O)O)O2)C(=O)NC1=O</chem> |
| TMS                    | <br><chem>C[SiH](C)C</chem>                                           |
| TMT                    | <br><chem>COC1=CC=C(C=C1)C(C2=CC=C(OC)C=C2)C3=CC=C(OC)C=C3</chem>     |
| TNP                    | <br><chem>[O-][N+](=O)C1=CC(=CC=C1)[N+](=O)[O-]</chem>                |

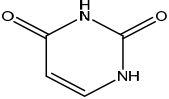
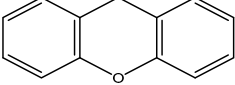
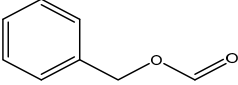
## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Tol                    | <br><chem>CC1=CC=CC=C1</chem>                                |
| Tos                    | <br><chem>CC1=CC=C(C=C1)S(=O)=O</chem>                       |
| Tosyl                  | <br><chem>CC1=CC=C(C=C1)S(=O)=O</chem>                       |
| TPP                    | <br><chem>C1=CC=C(C=C1)[P+](C2=CC=CC=C2)C3=CC=CC=C3</chem>  |
| Tpt                    | <br><chem>C1=CC=C2C3C4=CC=CC=C4C(=C3)C5=C2C=CC=C5C1</chem> |
| trans-Cinnamyl         | <br><chem>C\C=C\C1=CC=CC=C1</chem>                         |
| Tre                    | <br><chem>CC(Cl)(Cl)Cl</chem>                              |

## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Trisyl                 | <br><chem>CC(C)C1=CC(C(C)C)=C(C(=C1)C(C)C)S(=O)=O</chem>                      |
| Trityl                 | <br><chem>C1=CC=C(C=C1)C(C2=CC=CC=C2)C3=CC=CC=C3</chem>                       |
| Troc                   | <br><chem>ClC(Cl)(Cl)COC=O</chem>                                             |
| Trt                    | <br><chem>C1=CC=C(C=C1)C(C2=CC=CC=C2)C3=CC=CC=C3</chem>                      |
| Ts                     | <br><chem>CC1=CC=C(C=C1)S(=O)=O</chem>                                      |
| U                      | <br><chem>O[C@H]1[C@@H](O)[C@@H](O[C@@H]1COP(O)(O)=O)N1C=CC(=O)NC1=O</chem> |
| UMP                    | <br><chem>O[C@H]1[C@@H](O)[C@@H](O[C@@H]1COP(O)(O)=O)N1C=CC(=O)NC1=O</chem> |

## ChemAxon Marvin JS: Abbreviated Group Templates

| Abbreviated Group Name | Structure                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Ura                    | <br><chem>O=C1NC=CC(=O)N1</chem>              |
| Xan                    | <br><chem>C1C2=C(OC3=C1C=CC=C3)C=CC=C2</chem> |
| Z                      | <br><chem>O=COCC1=CC=CC=C1</chem>             |