

## Reaxys release for March 2019

To ensure the best user experience for researchers, the Reaxys development team has implemented a range of new features that increase efficiency or improve usability. These include features requested by users, such as easier access to patent claims and a revised email alert interface, improved page views for *Quick search* and *Reaction Results*, and a new *Filter by value* option.

### Patent claims available in Results page

Direct access to the claims in a patent saves considerable time in the research process. Instead of reading through the whole patents, researchers using Reaxys can now directly access patent claims within the Results page. This is possible thanks to the implementation of full-text searching of patent claims.

If the Result includes claims containing one of the search terms, the information is displayed with the term highlighted as the *Claims hit* (A). Furthermore, the expansion option *Claims* appears between *Abstract* and *Front Page Info*. Click this to expand the claims information into a full list of the claims in the order they appear in the patent (B).

The screenshot shows the Reaxys interface with a search for "Bruton tyrosine kinase inhibitors of the common junction crystal (by machine translation)". The results list shows a patent entry with a "Claims hit" highlighted in orange, indicating a match with the search terms. The hit text is: "...chronic lymphocytic leukemia (CLL)/small lymphocytic lymphoma (SLL), mantle cell lymphoma (MCL), diffuse large...".

The screenshot shows the same patent entry with the "Claims" section expanded. The expanded claims are listed in order, starting with: "1. A 1 - ((R)-3 - (4 - amino - 3 - (4 - phenoxy-phenyl) - 1H - pyrazolo [3, 4 - d] pyrimidine -1 - yl) piperidine -1 - yl) c -2 - ene -1 - one and common form is contained in the crystal." The claims list continues with details about crystal formation and X-ray powder diffraction patterns.

### Refined layout for greater efficiency

The refined layout of *Quick search* is designed to highlight the features available on the Reaxys homepage. It makes it easier to enter relevant queries quickly.

The results preview for a search has been changed to make the included features more visible. Users can still see the number of hits and preview or view the results. Additionally, they can directly edit the query in *Query Builder* (A) or directly create an email alert for that query (B).

The *Reactions Results* page has been refined to make it easier to focus on the reaction details. The new layout includes updated, easier-to-read graphics (A); better use of the available space for displaying experimental text (B); a better position for the reaction yield information (C); and clearer reference displays (D).

In the *Synthesis planner*, users can open the *Conditions* display in a dialog box or below or beside the synthesis plan. The control for this option has been made easier to find and use (E).

Updated *Filters* panel with new *Filter by value* option

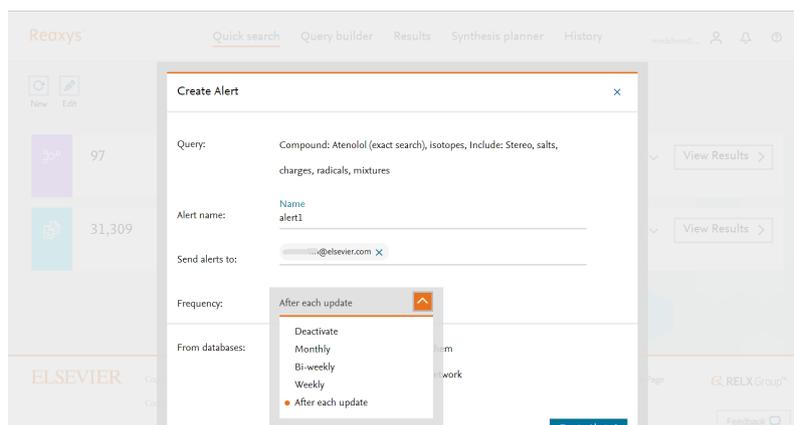
To make it easier to apply filters, the *Filters* panel has a condensed view that makes better use of the space (A). A more obvious scroll bar has been added to make navigation easier. In addition, the *Filter by value* option has been added, enabling users to enter a specific value appropriate to that filter class (B) and apply it using the *Limit to* or *Exclude* functions.

The image displays two screenshots of the Reaxys web interface, illustrating the updated Filters panel. Both screenshots show a search for 131 reactions out of 4,196 documents containing 97 substances and 130 targets. The interface includes a navigation bar with 'Quick search', 'Query builder', 'Results', 'Synthesis planner', and 'History'. The 'Filters' panel on the left lists various filter classes such as 'By Structure', 'Yield', 'Reagent/Catalyst', 'Solvent', 'Catalyst Classes', 'Solvent Classes', and 'Product Availability'. In the first screenshot (A), the 'Filter by value' option is highlighted in orange. In the second screenshot (B), the 'Filter by value' option is active, and 'acetonitrile' is entered in the input field, also highlighted in orange. The main content area shows a chemical reaction scheme and a table of reaction conditions and references.

Conditions	Yield	Reference
With Sulfated tungstate at 70°C; for 0.333333h; Green chemistry; Experimental Procedure	90%	Pathare, Sagar P.; Akamanchi, Krishnacharya G. [Tetrahedron Letters, 2013, vol. 54, # 48, p. 6455 - 6459] Full Text Cited 15 times Details Abstract
Stage #1: (S)-1-[p-(carbamoylmethyl)phenoxy]-2,3-epoxypropane; isopropylamine; N,N-dimethyl-formamide at 60°C; for 12h; Sealed tube; Stage #2: 18h; In N,N-dimethyl-formamide at 60°C; for 12h; C-14	82.5%	Lizza, Joseph R.; Moura-Letts, Gustavo [Synthesis (Germany), 2017, 1743 - 1747] Feedback

### Flexible setup of email alerts

To make it easier to set up email alerts, the *Create Alert* interface has some new features. The email for the alerts is autofilled from the user profile, although it can be changed and other addresses added, as previously. The frequency for alerts now includes the options weekly, bi-weekly, monthly and 'after each update'. The email alert icon is now always visible with a query, rather than being a mouseover feature.



### Other improvements

- It's now possible to edit link-in (hop-into) queries, i.e., queries set up in other documents.
- Starting a new export no longer requires the cancelation of a previous downloaded export.
- The signout dialog box has been re-designed to make the options more recognizable.
- Text can be copied from titles, abstracts, claims and keywords.
- *Heatmap Navigator* in Reaxys Medicinal Chemistry has been refined to make it easier to navigate large heatmaps.

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