

New Browse Pages with increased dynamic filter capabilities and readability

- **New user-friendly interface** for easier safety profiling reading and experience.
- New dynamic filter capabilities will help **benchmarking your drug candidate** on the **most relevant approved drugs** that share the **same toxicity profile**.
- Unified export so you can have all information on relevant filter-drug selection.

New user-friendly interface with better layout:

The screenshot displays the PharmaPendium web interface for the drug Abacavir Sulfate. The interface is organized into several sections:

- Top Navigation:** Includes links for Browse, Search, My tools, Modules, and user account options.
- Left Sidebar:** A 'Browse drugs' section with a search bar and a list of drugs under the 'Antivirals' category.
- Main Content Area:** Displays information for 'Abacavir Sulfate' with tabs for Information, Drug-Targets Profile, Biology Data, Adverse Effects/Toxicity, and Indications. The 'Information' tab is active, showing details like Brands, Classes, Regulatory Documents, and Mosby's Drug Consult.
- Annotations:**
 - A red box highlights the tabs at the top of the main content area, with an arrow pointing to a text box stating: "Information organized in tabulations for easier readability".
 - A red box highlights the 'Nomenclature' section on the right, which includes the chemical structure and various identifiers (Chemical Name, Chemical Formula, CAS Number, Molecular Weight). An arrow points from a text box stating: "New display for chemical information" to this section.

Nomenclature

Chemical Name(s)
2-CYCLOPENTENE-1-METHAN...

Chemical Formula
C14H20N6O5S

CAS Number(s)
188062-50-2

Molecular Weight
384.122

[Search in Chemistry](#)

New display for chemical information

Information organized in tabulations for easier readability

New dynamic filter capabilities will help **benchmarking your drug candidate** for higher accuracy **on toxicity profile**.

Now you can quickly answer the following questions:

- What is the translational safety profile for drugs which like my drug candidate are agonist to the 5-HT-1A receptor?
- What are the cardiac adverse effects I need to be aware of?

The new solution in 5 easy steps:

- 1) Click on *Browse Target* button on the top header of PharmaPendium main page.
- 2) Type "**5-HT-1A**" in the left side filter.
- 3) Select the **mechanism of action** filter (top right corner) - *my drug candidate is an agonist for 5-HT-1A receptor*. You can also filter by **drugs name, primary or secondary target and sources**.

The screenshot displays the PharmaPendium interface. On the left, a 'Browse targets' sidebar shows a tree structure under '5-Hydroxytryptamine Receptors' with '5-HT-1A Receptor' selected. The main content area is titled '5-HT-1A Receptor' and shows a table of drugs. A red arrow points to the 'Drug-Targets Profile' tab. An overlay window titled 'Filters on Drug-Targets profile' is open, showing filter counts: Drugs (0/27), Mechanism of Action (1/5), Primary/Secondary (0/2), and Source (0/5). The 'Mechanism of Action' filter is expanded, showing 'Agonist' selected. Red arrows point to the 'Mechanism of Action' filter in the overlay and the 'Drug-Targets Profile' tab in the main interface.

Drugs	Active Substance	Mechanism Of Action
Almotriptan Malate	-	-
Almotriptan Malate	Almotriptan	Ligand
Aripiprazole	Aripiprazole	Partial Agonist
Aripiprazole Lauroxil	Aripiprazole	Partial Agonist
Asenapine	Asenapine	Antagonist
Asenapine Maleate	Asenapine	Antagonist
Asenapine Maleate	Asenapine	Antagonist
Brexipiprazole	Brexipiprazole	Partial Agonist
Buspirone Hydrochloride	Buspirone	Ligand
Cariprazine Hydrochloride	Cariprazine	Partial Agonist
Dihydroergotamine Mesylate	-	-
Dihydroergotamine Mesylate	8'-Beta-Hydroxydihydroergotamine	Ligand
Dihydroergotamine Mesylate	Dihydroergotamine	Ligand
Droperidol	-	-
Eletriptan Hydrobromide	-	-

Now out of the 27, **only six drugs with similar mechanism of action** are displayed:

PharmaPendium Browse Search My tools Modules ? Register Sign in

By Ligand or Substrate > 5-Hydroxytryptamine Targets > 5-Hydroxytryptamine Receptors > 5-HT-1 Receptors > 5-HT-1A Receptor

5-HT-1A Receptor Filters ¹ Export

Displaying 6 of 27 drugs Mechanism of Action : Agonist X Reset all

Drug-Targets Profile **Biology Data** Adverse Effects/Toxicity

Drugs	Active Substance	Mechanism Of Action	Primary/Secondary	Source
Flibanserin	Flibanserin	Agonist	Primary	
Lurasidone Hydrochloride	Lurasidone	Agonist	Primary	
Vilazodone Hydrochloride	Vilazodone	Agonist	Primary	
Vortioxetine Hydrobromide	Vortioxetine	Agonist	Primary	
Ziprasidone Hydrochloride	Ziprasidone	Agonist	Secondary	
Ziprasidone Hydrochloride	Ziprasidone	Agonist	Primary	
Ziprasidone Mesylate	Ziprasidone	Agonist	Secondary	
Ziprasidone Mesylate	Ziprasidone	Agonist	Primary	

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4) You can now check **the translational adverse effects view** for these six selected drugs in the Adverse Effects/toxicity section :

PharmaPendium Browse Search My tools Modules ? Register Sign in

By Ligand or Substrate > 5-Hydroxytryptamine Targets > 5-Hydroxytryptamine Receptors > 5-HT-1 Receptors > 5-HT-1A Receptor

5-HT-1A Receptor Filters ¹ Export

Displaying 6 of 27 drugs Mechanism of Action : Agonist X Reset all

Drug-Targets Profile Biology Data **Adverse Effects/Toxicity**

Adverse effects by: [Area affected](#)

	Preclinical Data	Clinical Data	Post-Marketing Reports (AERS)
Total	3730	7998	44905
> Blood and lymphatic system disorders	31	91	404
> Cardiac disorders	29	226	2417
> Congenital, familial and genetic disorders	107	9	123
> Ear and labyrinth disorders	No data	35	453
> Endocrine disorders	50	44	211
> Eye disorders	155	155	1838
> Gastrointestinal disorders	108	1086	8106
> General disorders and administration site conditions	563	456	13545
> Hepatobiliary disorders	175	41	340
> Immune system disorders	No data	39	890
> Infections and infestations	5	255	1199

- 5) These dynamic filters on this selection will now be applied to all modules so you can have a more accurate safety profiling assessment and focus only on these drugs of interest:

PharmaPendium

Browse Search My tools Modules ? Register Sign in

By Ligand or Substrate > 5-Hydroxytryptamine Targets > 5-Hydroxytryptamine Receptors > 5-HT-1 Receptors > 5-HT-1A Receptor

5-HT-1A Receptor

Displaying 6 of 27 drugs Mechanism of Action : Agonist Reset all

Drug-Targets Profile Biology Data Adverse Effects/Toxicity

The records on the modules may reflect all possible drug combinations

Pharmacokinetic Data		Metabolizing Enz & Trans. Data		Drug Safety Data	
Clinical Data	6965	Clinical Data	2993	Clinical Data	7998
Preclinical Data	4579	Preclinical Data	469	Preclinical Data	3730
All Data	11544	All Data	3462	All Data	11728

Efficacy Data		FAERS Data		Activity Data	
Clinical Data	11496	Post-Marketing Reports(AERS)	44905	In vitro	314
Preclinical Data	240				

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You can also export all the selected information in one go (in the top right corner)!

- The PharmaPendium Team -