

Kick off successful careers in chemistry

Ensure that you're incorporating the right research skills into your education. Reaxys supports students and instructors with everything needed to succeed in professional chemistry.

Efficient discovery and use of chemistry information

Chemistry is a catalyst of advances in material science, engineering, biology, pharmacology, medicine and more. To excel in chemistry, researchers must be able to evaluate, analyze and build on the information they find.

Get results that drive projects forward

Over 70% of searches recorded in Reaxys deliver actionable results: experimental procedures, reagent sourcing information, exportable property and reaction data, and more. It also supports good research practices: email alerts, saved searches and more.



- Full-text view
- Data download
- Experimental procedures
- Email alerts
- Reagent sourcing
- Saved searches

How well does your educational program incorporate these skills?



Determine what information is needed



Incorporate information into your knowledge base



Efficiently access that information



Use information effectively to reach your goal



Critically evaluate information and its sources



Access and use information ethically and legally

Building chemistry information literacy

Through its intuitive interface, Reaxys delivers the chemistry-relevant content from full-text publications ensuring that information more discoverable and research is more efficient.

Quick search Query builder ^{New} Results Synthesis planner History

Search for **pharmacokinetics of imatinib**

Search Reaxys
 pharmacokinetics of imatinib ✕ ^{New}

Chemical Names
 imatinib
 imatinib mesilate
 imatinib mesylate

5	Targets	Structure <input type="checkbox"/> in <input type="checkbox"/> AND <input type="checkbox"/> Reaxys Category	pharmacokinetics	Preview Results	View Results >
6	Substances	Structure <input type="checkbox"/> in <input type="checkbox"/> AND <input type="checkbox"/> Reaxys Category	pharmacokinetics	Preview Results	View Results >
1,649	Documents	Titles, Abstracts, Keywords	pharmacokinetics, imatinib	Preview Results	View Results >
356	Substances	Structure <input type="checkbox"/> in <input type="checkbox"/>	pharmacokinetics	Preview Results	View Results >

Build proficiency by doing

Reaxys Quick Search and Query Builder accommodate any expertise level, so any student can become proficient at retrieving relevant chemistry information.

Enhance your research planning and experiment design

Reaxys answers queries with highly granular excerpted facts and procedures linked to relevant supporting information in Reaxys and other databases. This supports data-driven decisions about project scope, methodologies and robust experiment design.

The screenshot displays the Reaxys search results for 'imatinib'. The top section shows the search criteria: '6 Substances out of 10 Documents containing 100 Reactions and 4 Targets'. Below this, the chemical structure of imatinib is shown with its molecular formula $C_{25}H_{18}N_6O$ and various data points. A table lists related information: Identification (495,613, 767,1333, 152459-95-5), Physical Data (76), Preparations (81), Druglikeness, Spectra (82), Reactions (158), Bioactivity (148 Data), Other Data (2,077), Targets (1,638), Bioactivity (All), and Documents (6,576). Below the table, two search results are listed, with the first one selected. The second part of the screenshot shows a detailed view of a reaction with a yield of 70%. The reaction involves the synthesis of imatinib from precursors. The conditions are detailed in a table:

Yield	Conditions	Reference
70%	Stage 1: N-(3-bromo-4-methylphenyl)-4-(1-methylpiperazin-1-yl)-methylbenzamide; 4-pyridin-3-ylpyrimidin-2-ylamine in ethanol at 60°C; for 3h; inert atmosphere Stage 2: With sodium hydroxide in water pH=8.7; Res gpt/pur/air/rt	Yangzhou University; Yu Lei; Deng Xin - CN108341505, 2018. A Location in patent: Paragraph 0015-0019; 0012 Full Text > Details > Abstract >
71%	With reagent(s) white; potassium carbonate; N,N'-dimethyl ethylenediamine in 1,1-dioxane at 100°C; for 28h; inert atmosphere; Autoclave;	Zhang, Ke; Sun, Jingjing; Chen, Tian; Yang, Chengge; Yu, Lei - <i>Synlett</i> , 2016, vol. 27, # 13, p. 2233-2236 Full Text > Details > Abstract >

What Reaxys users say

- 92% of users agreed that Reaxys makes research activities more successful
- 94% of users agreed that Reaxys saves them time
- 95% of education-focused users agreed that Reaxys gives students hands-on experience with a tool they will encounter in the workplace
- 85% of users agreed that Reaxys supports their daily research workflow

“With Reaxys I can be sure that I’ve found any older literature related to the topic and any relevant patents.”

—Postgraduate, Massachusetts Institute of Technology, USA

“Reaxys helps me search for special reaction conditions and select the most promising ones for successful experiments.”

—Senior researcher, Syngenta, Switzerland

Reaxys®

Designed in consultation with chemistry researchers, Reaxys helps academic institutions maximize the impact of their research, enhancing teaching and improving learning outcomes for the next generation of chemists.

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