

What sets Reaxys apart from SciFinder — Content Details

	Reaxys	SciFinder	Impact
CONTENT	<ol style="list-style-type: none">1. 500 million experimental properties2. 16,000 journals with full-text indexing in 20163. 119,7 million substances (incl. PubChem & eMolecules)4. Medicinal chemistry content: over 30.5 million bioactivity data points, 6.2 million compounds with bioactivity data, 13,600 targets and 9,440 species5. 90% of all relevant patents for chemists *including from Asian offices in 2016	<ol style="list-style-type: none">1. 4.5 million experimental properties2. 10,000 journals3. 140 million substances, with a significant amount of prophetic or transformational4. No medicinal chemistry content is searchable, except by keywords5. Covers 63 patent offices but doesn't explicitly focus on chemistry patents	<ol style="list-style-type: none">1. Reaxys has over 100x as many experimental properties, facilitating faster and more detailed searches and data retrieval.2. Reaxys covers more journals and subjects than SciFinder, so it is useful beyond the chemistry department.3. The value of 'real' substances lies in assured validity and reproducibility, and reduced 'noise' in analyses and decision-making4. Reaxys Medicinal Chemistry connects substances, bioactivity and targets, which is essential for medicinal chemists to design and optimize leads. SciFinder cannot compete as a pharmaceutical research solution.5. SciFinder can answer the question: Does my compound exist? However, for true novelty searches, professionals typically augment their work with STN or Derwent.

What sets Reaxys apart from SciFinder — Search Details

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SEARCH	<ol style="list-style-type: none">1. Multiple search options – Reaxys includes a greater variety of search features, including some similar to STN tools2. Allows searching for several concepts at once (literature, reactions, substances, properties, etc.)3. Includes intelligent natural-language search capabilities (Ask Reaxys)4. Allows truncation and proximity in searches;5. Over 500 property search fields6. API for bioinformatics (Knime nodes)	<ol style="list-style-type: none">1. Limited to « high-level » search options2. Searches must be performed sequentially – combined searches are not possible3. Search algorithms are not transparent5. ~20 property search fields	<ol style="list-style-type: none">1. Reaxys allows the user to be in control of a search, providing greater range of flexibility, and helps the user to choose relevant search terms through auto-suggest functions.2. Reaxys has a broad range of “querylets” organized in subject areas such as reactions, substances, physical properties, etc., that enable different ways to find answers. These allow, e.g., retrieval of hit substances that are related by name or by formula (and not necessarily by structure).3. The Reaxys user is able to easily track how each search has progressed, allowing users to follow or adjust the query at any point4. Allowing specificity at search provides faster and more contextually accurate results, and reduces noise and review of irrelevant literature5. Reaxys enables property searches in a number of ways, including text and numeric queries. Reaction searches are flexible and enable stereochemistry queries.6. Allows « experimentation within Reaxys », e.g.: predicting the solubility of your compounds. Facilitates content integration.

What sets Reaxys apart from SciFinder – Display & Analytics

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DISPLAY	<ol style="list-style-type: none">1. Reaxys uses index keywords from Authors, Compendex, Embase, GeoBase, MEDLINE and Reaxys2. Results are displayed in order of relevance to the query3. Reaxys has a single record for each original publication	<ol style="list-style-type: none">1. Index keywords from MEDLINE and CAplus only2. Results are displayed in reverse chronological order3. SciFinder can have duplicate records for a single publication	<ol style="list-style-type: none">1. Using index words from different sources means that Reaxys gives multiple perspectives on an article, meaning it is useful to scientists in multiple disciplines.2. By displaying results by relevance, Reaxys provides more detailed answers immediately and streamlines the evaluation process3. Reaxys removes the need to manually remove duplicate result records.
ANALYTICS: POST-PROCESSING	<ol style="list-style-type: none">1. Reaxys provides 3 critically differentiated analytics capabilities:<ul style="list-style-type: none">• The Analysis View for hitset analytics• A Heatmap for compound–target assessments, including QSAR• An extensive set of filters relevant to retrieved data	<ol style="list-style-type: none">1. SciFinder provides the Analyze, Refine and Categorize post-processing features which strongly capitalizes on CAS' indexing capability. However, SciFinder does not provide tools for compound–target assessments	<ol style="list-style-type: none">1. SciFinder relies more on post-processing as search options are limited in most cases by indexing. SciFinder relies on users filtering abstract indices to get to something relevant. SciFinder has limited export capability, which strongly reduces efficiency in exporting data into post-process analysis tools. Searchers in Reaxys immediately see the information they want, so there is no direct requirement for post-processing options. The post-processing focuses on analytics, which Reaxys strongly supports with various export tools.