WHAT'S YOUR REACTION?

Your introduction to Reaxys™ – a new workflow tool designed to support the optimization of synthetic chemistry.

reaxys™

Innovation from CrossFire Beilstein

WHAT'S REAXYS?

Reaxys is a new workflow tool, designed to help chemists more efficiently synthesize new chemical compounds, offering advantages over any other chemistry information resource.

More knowledge: Directly access hundreds of millions of in-depth, experimentally validated data.

More relevance: Scientist-selected content, deeply indexed for chemistry, so you can instantly retrieve the data you need, rather than merely citations.

More convenience: A new, easy-to-use interface makes work flow seamlessly from search results through decision aids into multi-step reaction investigation, retrosynthetic analysis and synthesis-route planning. Get to the end result, right on your desktop.

More efficiency: New, built-in functions save time and costs in identifying promising new projects, terminating unproductive leads and designing economical, higher-yielding synthesis routes.

More inspiration: Helpful ways to concentrate your creativity and generate more leads in less time.

What's new in Reaxys?

A new, streamlined interface designed to reflect how chemists think and work.

New data visualization, analysis and synthesis planning tools.

Web-based, for access 24/7, anytime, anywhere.

Power, depth and quality in a system easily used by chemists of any experience level.

Organic, inorganic, organometallic and patent chemistry databases merged into a single collection of information.

Links to SCOPUS™ for quick access to abstract citations.

No software to install. Compatible with Apple Macintosh or PC. No limits on access. Easy to administer.

To provide you with more information, Elsevier has unified the contents of CrossFire Beilstein, the Patent Chemistry Database and CrossFire Gmelin into a single resource and added new features.

Fully merged, this collection uses chemistry as its organizing principle. You can access 80 categories of facts, structured around substances and reactions, along with bibliographic references.

You can make one query about a structure or reaction in Reaxys and instantly retrieve all relevant experimental data in a single search.

And, Reaxys delivers a powerful range of decision aids, enabling you to generate more leads in less time.

Backed by developmental advice from leading scientists, companies and research institutions, Reaxys is just the first step in an era that is moving beyond data into the process of invention.

Reaxys dynamic development inspired by chemists for chemists.

As science evolves, Reaxys will always be ready with new ideas. Its ongoing mission is to help ensure you have a competitive edge, whether you measure success by leads generated or ideas published.

Reaxys is based on teamwork with chemists around the world. The prestigious Beilstein Database Advisory Board has guided content coverage, scope and quality. This distinguished panel – representing academic and corporate scientists globally – is a tremendous resource to discern the needs of science.

As well, a community of development partners in research companies and institutions opened their synthesis design process to Reaxys' developers. Chemists demonstrated the intricate and subtle ways they put information to work. They revealed time-saving ideas to enhance efficiency. And they advised in testing of prototype functionality.

The result is a streamlined, intuitive workflow tool, designed by chemists for chemists. The dynamic development process also confirmed what we all know – that next-generation science will advance on the basis of collaboration. Today, and into the future, Reaxys will be open to your ideas and suggestions. And we have an open invitation to you to join in the development of cutting-edge cheminformatics. (For more information, visit: www.info.reaxys.com.)

Finding Reactions

Reaxys brings a fresh new look to chemistry information.

Reaxys makes it easy for chemists of any experience level to find and analyze chemical reaction information.

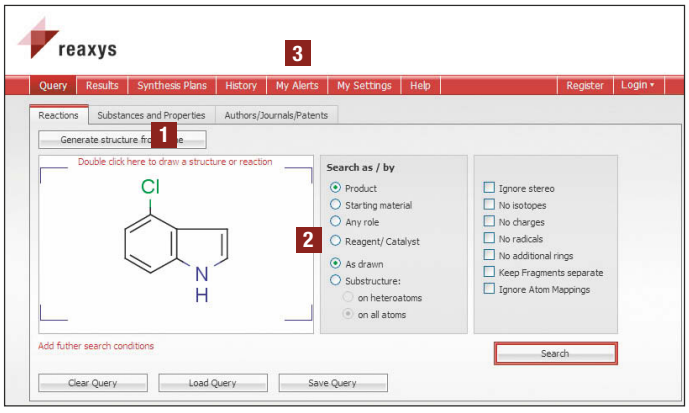
> Rapidly evaluate reactions by comparing yield, solvents, catalysts and reaction conditions.

> Analyze and review multi-step reactions; build retrosynthetic pathways and synthesis routes.

> Search through comparable reactions for molecules similar to your target.

> Easily view, filter, sort, save and export results to enhance decision-making.

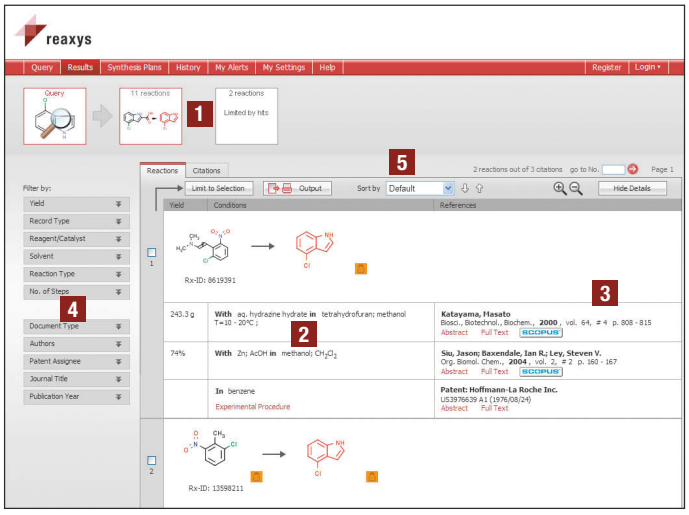
> View experimental procedures from patent text – information that is not excerpted elsewhere.



1 Clear and uncluttered query display.

2 Relevant options for desired query type.

3 Simple tool bar to manage searches, settings and alerts.



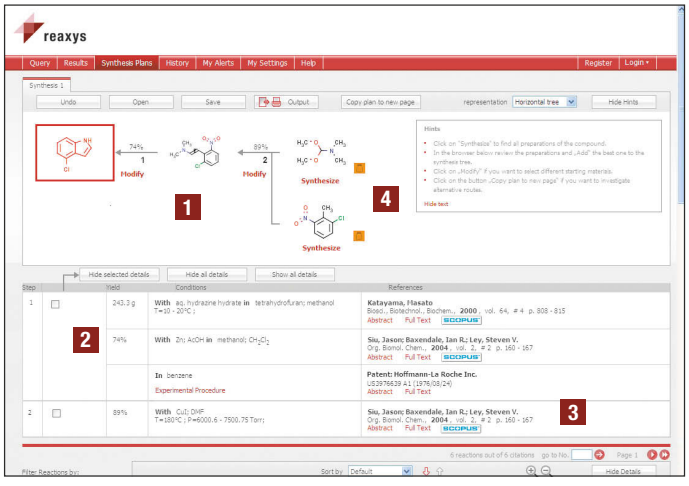
1 Graphical navigation helps you manage where you are, even in complex searches.

2 User-friendly tabular overview, presents key data. Provides options to probe into excerpted experimental text.

3 Links to full text integrated into results page.

4 Context-related filtering allows easy refinement of answer sets.

5 You can use sorting tools to sort the transformations by your key parameters, such as yield, materials used, reaction type, etc.



1 New synthesis planning function helps you design a synthesis route for your target compound.

2 Well arranged display of synthesis routes and corresponding experimental details and references.

3 Bidirectional linking with SCOPUS™.

4 Commercially available compounds can be easily identified.

Finding Substances

No other resource provides more in-depth substance information.

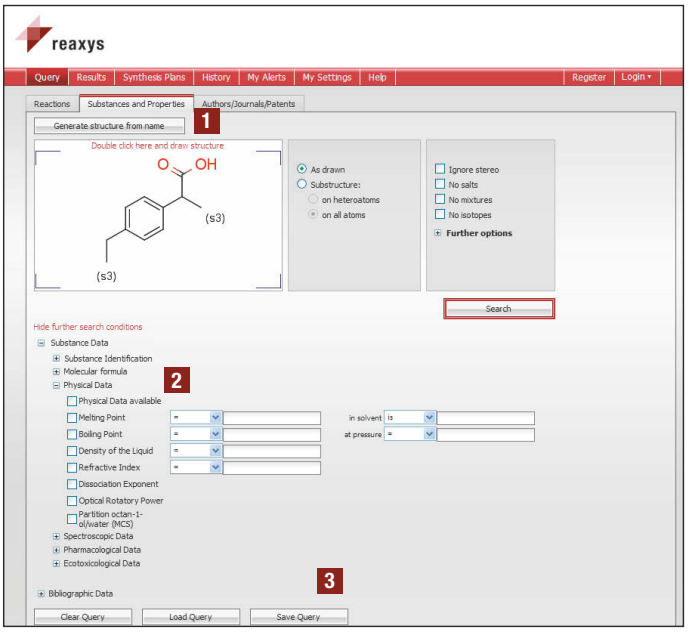
Reaxys goes deep into the details that drive chemistry decisions, so chemists have the information they need, right at their fingertips.

> Search by structure, sub-structure, compound-name, text or physical and bioactivity data.

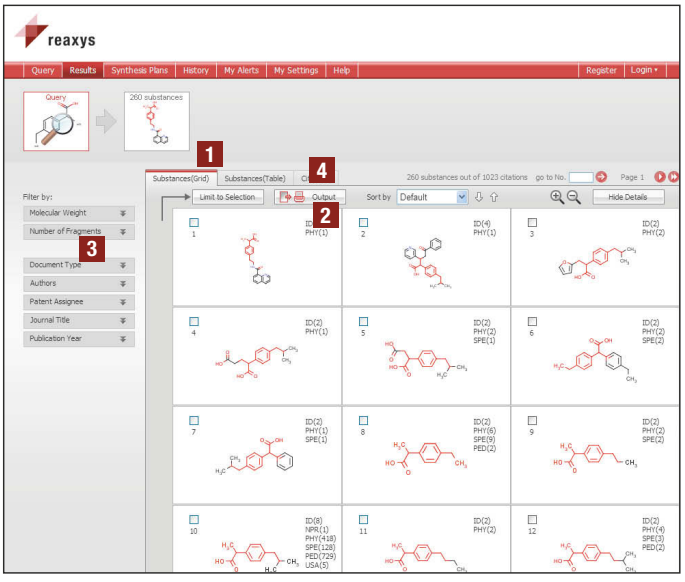
> Retrieve unduplicated substance dossiers from multiple journals and patents.

> Easily filter, sort, save and export search results; use the alert service to monitor critical topics.

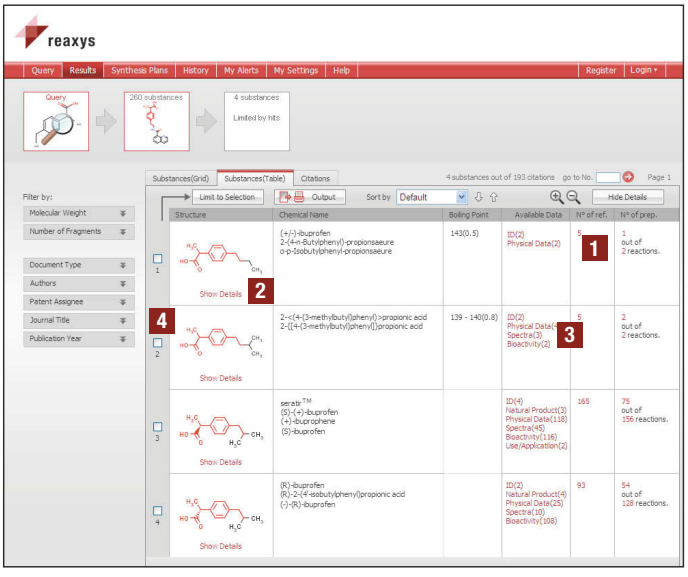
> Evaluate structure activity relationship tables that are based on real experimental data.



1. Clear display for substance queries.
2. Easily combine structure query with further experimental data constraints.
3. Conveniently save and load your personal queries.



1. For a quick overview results are displayed in a grid.
2. Conveniently print or export results into the most common formats.
3. Filtering tool to manage search results.
4. Quick access to bibliographic details.



1. Table view rearranges results to provide more information highlights.
2. “Show Details” let you see detailed property data.
3. Overview of available data and reference information.
4. Select items of interest to focus on relevant results.

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