Reaxys®

Our 2023 roadmap update

We are continuously improving Reaxys to ensure it remains an indispensable solution for research in the chemical sciences and pharmaceutical R&D. We've made many enhancements in 2023, and already have big plans for 2024!

Supporting your work with exceptional breadth and depth of content

Reaxys reached an important milestone in 2023, delivering an unparalleled collection of 100 million patent and article documents to its Academic, Pharmaceutical and Chemical R&D customers.

Reaxys continues to be the most comprehensive chemistry and bioactivity data information system in the world with its exponentially growing coverage, adding over 2,000 new journal titles in 2023.

Additionally, automated substance indexing from images provides the fastest access to the most comprehensive chemistry information.

AI-enhanced chemistry research

Continued AI-driven data extraction

Reaxys continues to use its award-winning AI-driven data extraction method, increasing coverage from over 16,000 to 18,000 new journal titles, extraction of substances from images, and completion of addition of archives covering patents back to the year 2000. In addition, our manual extraction of chemistry data has been extended to cover Target and Bioactivity information, next to existing reactions and substances, from patents in Asian (CN, JP, KR and TW) languages, ensuring in-depth access to global research.

Guiding predictive retrosynthesis with make/protect bond

Reaxys customers can subscribe to our cutting-edge Predictive Retrosynthesis module, developed collaboratively between Reaxys and Pending.AI teams. It provides scientifically robust and innovative synthesis routes, combining high-quality Reaxys reaction data with machine learning technology.

New in 2023, chemists can now customize routes by defining bonds to break or protect; select and limit the view and export of relevant Reaxys reaction examples to quickly decide which route to take to the lab. In addition, users can easily navigate from in-house applications and documents to Reaxys Retrosynthesis routes, through easy-to-create Reaxys-enabled 'hop-into' hyperlinks.

Direct linking between ScienceDirect and Reaxys content

Customers with access to both products benefit from ScienceDirect document pages enriched with Reaxys data. Direct links from ScienceDirect can be used to explore and discover key data and content from Reaxys about substances and their properties, commercial availability, reactions, and bioactivity data. This new linking facilitates seamless workflows between solutions and quick evaluation of relevant articles.

In 2023, Reaxys continued to expand content, so you can now discover more than ...

- **100** million documents
- **270** million substances
- **315** million products from 428 commercial suppliers
- **76** million reactions with experimental conditions and literature references
- **45** million bioactivity data points and 39,000 biological targets

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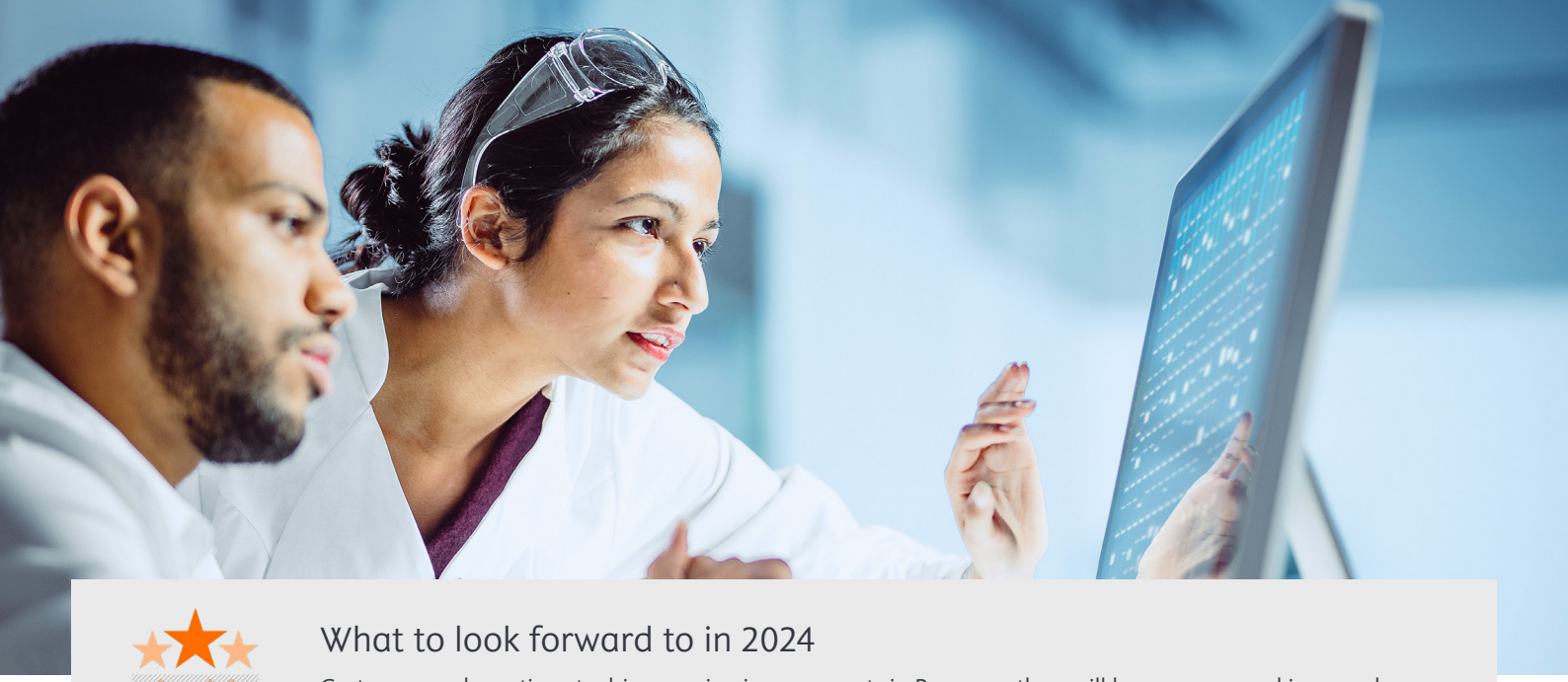

What to look forward to in 2024

Customer needs continue to drive ongoing improvements in Reaxys, so there will be many new and improved features coming soon.

An even better Retrosynthesis experience and new API

- Updated Predictive Retrosynthesis model with latest Reaxys reactions data to enhance the scientific robustness of predicted routes
- More control on starting materials with the support of Reaxys Commercial Substances, which will be enhanced with the availability of building blocks from 10 Million (currently) to over 100 Million building blocks
- Launch of a Reaxys Predictive Retrosynthesis API, to support the integration of predictive retrosynthesis into commonly used design tools and electronic lab notebooks

New insights and more content for competitive intelligence and novelty search

- Grouping of patents by patent family members, for faster reviewing and better analysis of results
- Enhanced patent ownership information to identify emerging players and monitor known competitors, with the addition of ultimate patent assignee and improvements on current and original patent assignee
- Additional patent IPC classes for programmatic extraction of chemistry relevant information
- Extension of the programmatic data extraction pipeline to Journals, for faster and comprehensive bibliography and substance extraction from newly published articles

Great User Experience that delivers new insights into current research

- New Bioactivity Visualization export layout to reduce post-export formatting time and provide richer insights into the Target and Bioactivity workflows
- Enhanced Author searching to capture all relevant results by retrieving all first and last name combinations; new Affiliations filter with improvements on Authors filter to differentiate between authors sharing same names
- Improvements to Topic search to enhance document result discoverability and comprehensiveness with enhanced discoverability of key concepts, like spectral and other substance property related concepts, and improved relevancy ranking

Our information security standards are certified

Because your confidentiality is our key priority, we are proud to share that Reaxys chemistry database has obtained the ISO27001 Information Security System Management certification.

Reaxys customers can confidently perform searches on information related to their intellectual property, knowing that Reaxys maintains industry-wide security practices and continuously improves its information security practices to meet tomorrow's newest standards.

For more information, visit:
elsevier.com/solutions/reaxys