



Advance R&D innovations with Elsevier research solutions



Dr. Prashant Karandikar Solution Consultant p.karandikar@elsevier.com +91-9311379414 +91-8263955909



OUR SHARED PURPOSE

TO ACCELERATE SCIENCE TO IMPROVE HEALTH

A Knowledge & Information Analytics Company



OUR PROMISE

Partners in propelling research and innovation forward to transform the way you bring new medicines to the world

OUR KEY DIFFERENTIATORS











140+

years of scientific knowledge curation

RELX

\$1.4bn

on technology annually

~30,000 employees

Serving customers in

180+ countries

Partnering with

90%

of top Pharma companies

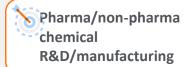


Elsevier's Innovative solutions with multifunctional approach



Intellectual Property

- Patent registration and litigation
- · Prior art. FTO...





• Develop machine learning algorithms

 Assess safety, pharmacology, DMPK Clinical trial risk mitigation

Non-clinical R&D

• In-silico screens for safety, efficacy...



Pharmacovigilance

- · Monitor drug safety





- Provide and integrate content
- Foster innovation



Clinical R&D

- · Clinical trial design
- Evaluate safety, efficacy, dosage



Medical Affairs/MSL

- Generate evidence
- Engage with healthcare ecosystem



Regulatory affairs

- · Regulatory submissions
- Develop regulatory strategy

Insights tailored to your needs

Click on solutions for more information



NOT EXHAUSTIVE

Challenges to the pharma/chemical sector in India

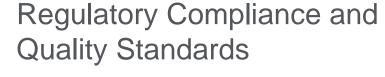


Global economy



Sustainability

Price control and market dynamics





Import dependence,



Competitive threat

R&D investment

Surge in technology price



IPR issue



Pricing Pressure in Export Markets

Challenges to the pharma/chemical sector in India



Global economy



Sustainability

Cost control and market dynamics



Import dependence



Competitive threat

Quality Standards

R&D investment



IPR issue



Pricing Pressure in Export Markets

Surge in technology price

Regulatory Compliance and



Innovation intelligence with dedicated data and information access



Impact of Exhaustive Dataset

> Confidence in handling competitive intelligence/novelty search



> Cost-effective, time-bound, and sustainable approach

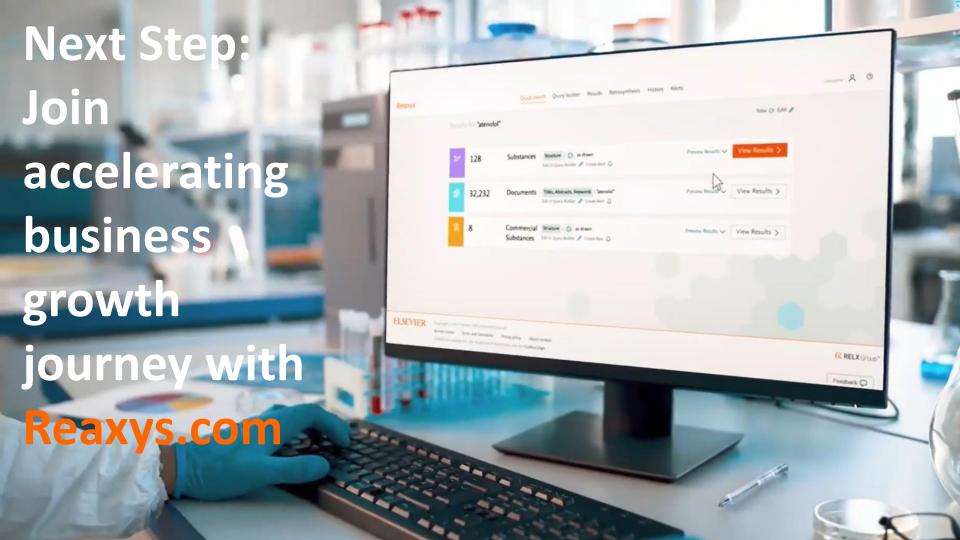


> Stay ahead on the competitive scale



Acceleration of business growth to the next level



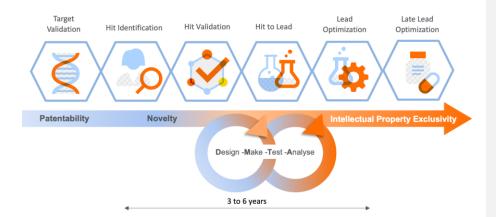


Application of award-winning programmatic extraction technologies to Patents and journals expansion



Ensure your projects are designed competitively and remain patentable throughout the discovery years

Reaxys offers fast and comprehensive access to patents for Novelty search & Competitive Intelligence



Confidently assess the IP landscape of a biological target, check the novelty of the compounds in your pipeline and stay on top of emerging competitors





Access the largest resource for newly published chemistry patents from 105 offices and 170 IPC classes



Discover more with the only chemistry database that translates non-English language abstracts & claims



Access the latest published substances, indexed across the full patent body for priority patent offices



Capture relevant results for target validation with our target (gene/protein) indexing for priority patent offices



Do competitive deepdives with our advanced search for patent assignee



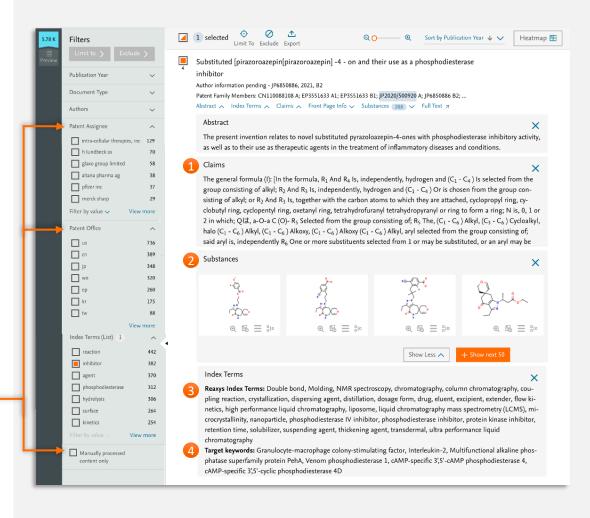
Patents and substances available 5 days after publication. Stay up-todate with email alerts.

Patent information is easily discoverable in Reaxys' Document results page

- 1- High quality English translation of abstracts and claims easily accessible in the UI as it is the case for this Japanese patent
- 2- Substance excerption of all compounds from the full patent body. Common solvents and reagents excluded for fast access to the most important compounds in the patent.
- **3-** Reaxys Indexed Terms extract chemistry relevant concepts to enhance patent search and discovery.
- 4- Primary target indexing, including target synonym expansion, to access all relevant patents on a given biological target.

New filters to facilitate navigation of results sets

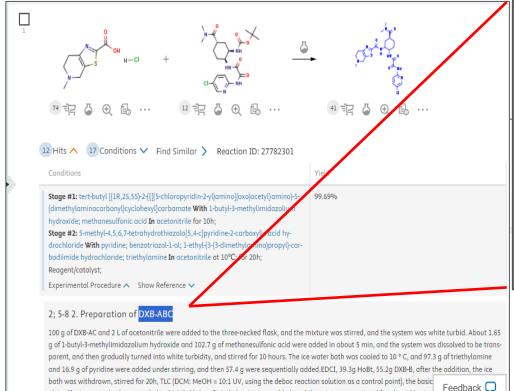




High-quality English translation of experimental protocols e.g. Edoxaban

[0052]

3、DXB-ABC的精制





2; 5-8 2. Preparation of DXB-ABC

100 g of DXB-AC and 2 L of acetonitrile were added to the three-nec of 1-butyl-3-methylimidazolium hydroxide and 102.7 g of methanes ent, and then gradually turned into white turbidity, and stirred for g of pyridine were added under stirring, and then 57.4 g were sequed drawn, stirred for 20h, TLC (DCM: MeOH = 10:1 UV, using the deboot bath was cooled to 10 ° C, 21.6 g of triethylamine was added, and t acetonitrile. The filter cake was dried by blasting at 45 ° C to obtain DXB_ABCThe DXB-ABC crude product and 2 L of dichloromethane v the solid was substantially dissolved. After suction filtration, the filtring, stirred for 30 min, and suction filtered. The filter cake was dried white solid was added to a 2 L bottle, 1275 ml of methanol was added blast dried to constant weight at 45 ° C to obtain a pale yellow to o was added, stirred at room temperature for 10-15 h, suction filtered was 99.69%, single impurity <0.1%, total impurity <0.5%. For the p

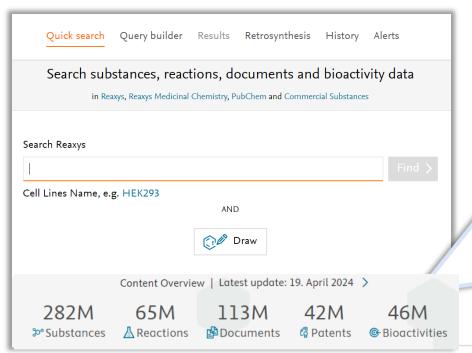
1.66g氢氧化1-] 基-3-甲基咪唑,102.7g甲磺酸,体系溶解至透明,后逐渐变为日色混浊,搅拌10h。冰水浴降温至10℃,搅拌下加入97.3g三乙胺和16.9g吡啶,然后依次加入57.4g EDCI、39.3g HoBt、55.2g DXB-B,加毕后,撤冰浴,搅拌反应20h,TLC (DCM:MeOH=10:1UV,用脱boc反应液作对照点)基本反应完全。冰水浴降温至10℃,加入21.6g三乙胺,搅拌30min左右。抽滤,用100m1乙腈淋洗。滤饼45℃鼓风干燥,得类白色固体,收率97%,纯度98.05%;

[0053] 向5L三口瓶中加入DXB-ABC粗品和2L二氯甲烷,搅拌20-30min,固体基本溶解。抽滤,滤液转入10L瓶,搅拌下加入4L正己烷,搅拌30min,抽滤。滤饼45℃鼓风干燥,得浅黄至类白色固体粉末;

[0054] 将上述类白色固体加入2L瓶,加入1275m1甲醇,室温搅拌10-15h,抽滤,滤饼45℃鼓风干燥至恒重,得浅黄至类白色固体:

What do you need to consider for effective molecule design?

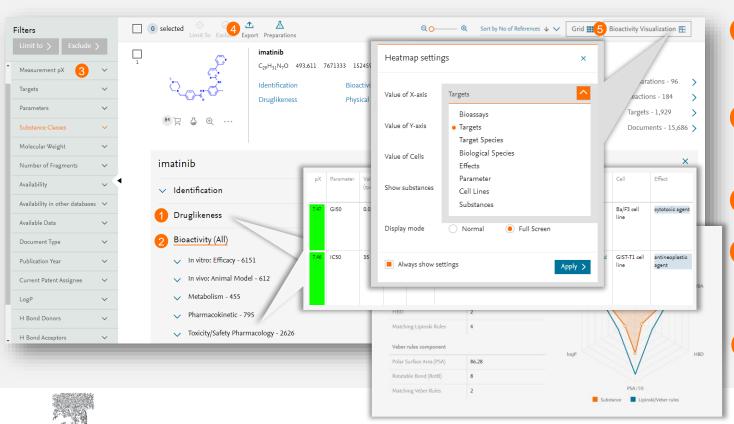
Make data driven decisions and find new ways of designing novel and safe compounds under tight timelines with Reaxys' Target & Bioactivity insights integrated into Reaxys.com







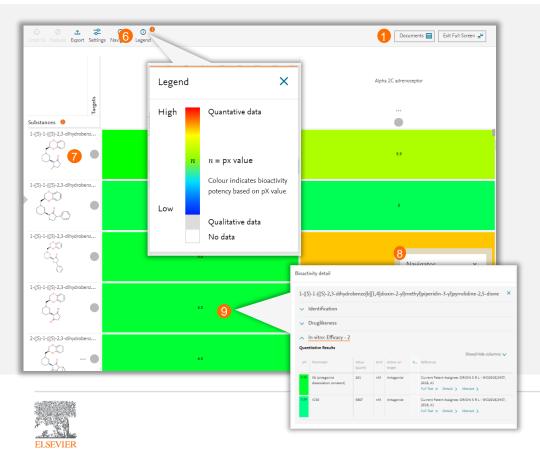
Easy access to relevant bioactivity seamlessly integrated into Reaxys.com



- 1 Easily access
 Druglikeness profiles
 including Lipinski/Verber
 rule comparison
- Review bioactivity data in the same window to make informed decisions more rapidly
- Additional relevant filters to optimize your search
- 4 Export your Bioactivity data insights in multiple formats (PDF, DOC, XLS, XML, RD, SD) for further analysis
- The Bioactivity visualization feature, lets take a closer look...



Reaxys' bioactivity visualization feature enables easy comparison of relevant data



- 6 Access the legend for a quick overview of the potency scale
- View the chemical structures whilst reviewing the data for quick SAR analysis
- Evaluate large datasets with an easy to use Navigation bar
- Click a cell to access all the details for a specific record
- Seamlessly go between the heatmap and relevant documents for further assessment



Summary: Reaxys for every R&D organization

Impact of Technology-driven data extraction with intelligent AI-based tools

- > Cost, time-effective, sustainable end-product; stay ahead of competitors
- Consistent cost monitoring of the ongoing project (ROS)
- > Stay ahead on competitive intelligence and novelty search use case
- Medicinal chemistry database for innovative drug discovery
- Acceleration of business growth to the next level





Our information security standards are certified

Reaxys has obtained the ISO 27001 Information Security System Management certification

Your confidentiality is our key priority

You can trust Reaxys to confidently perform searches on proprietary research to strengthen your IP portfolio.

- Reaxys maintains certified high standards for security practices
- Reaxys continuously improves its information security practices







Advance R&D innovations with Elsevier research solutions

To know more information about our solutions

Please visit

Hall: 3, Stand No: 3C14

