Reaxys

ELSEVIER

Introduction to Reaxys2016

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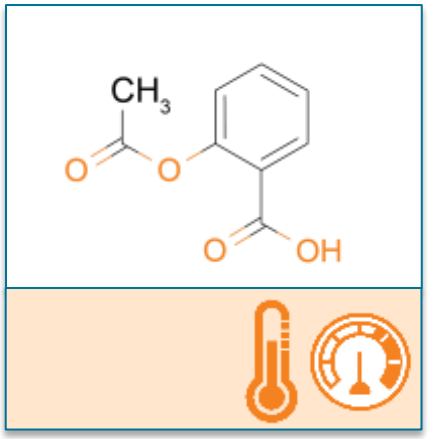
Reaxys is a powerful allround research solution for facts and literature



>90 M Substance records with >**500 M** excerpted facts on their **properties**: physical, chemical, spectral, ecological, bioactivity

>41 M Reaction records including excerpted data on reaction conditions, solvents, catalyst, yield

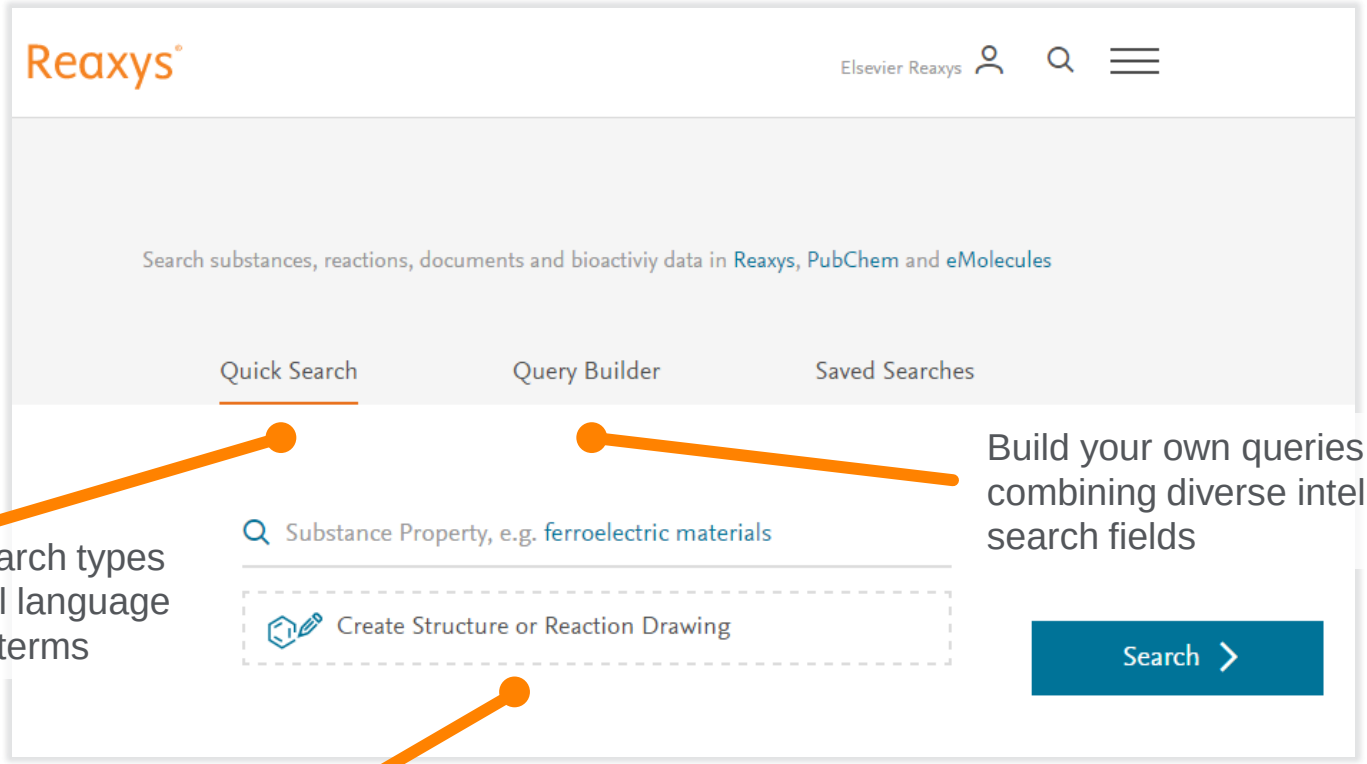
Chemistry fundamentals

>52 M Document records from 16,000 journals and patents describing applications in material sciences, biomedicine, technology, geosciences, engineering, environmental sciences, pharmacology...

Uses across disciplines

What does Reaxys2016 look like?

A clean, streamlined user interface fits to how YOU search and grants access to unparalleled content

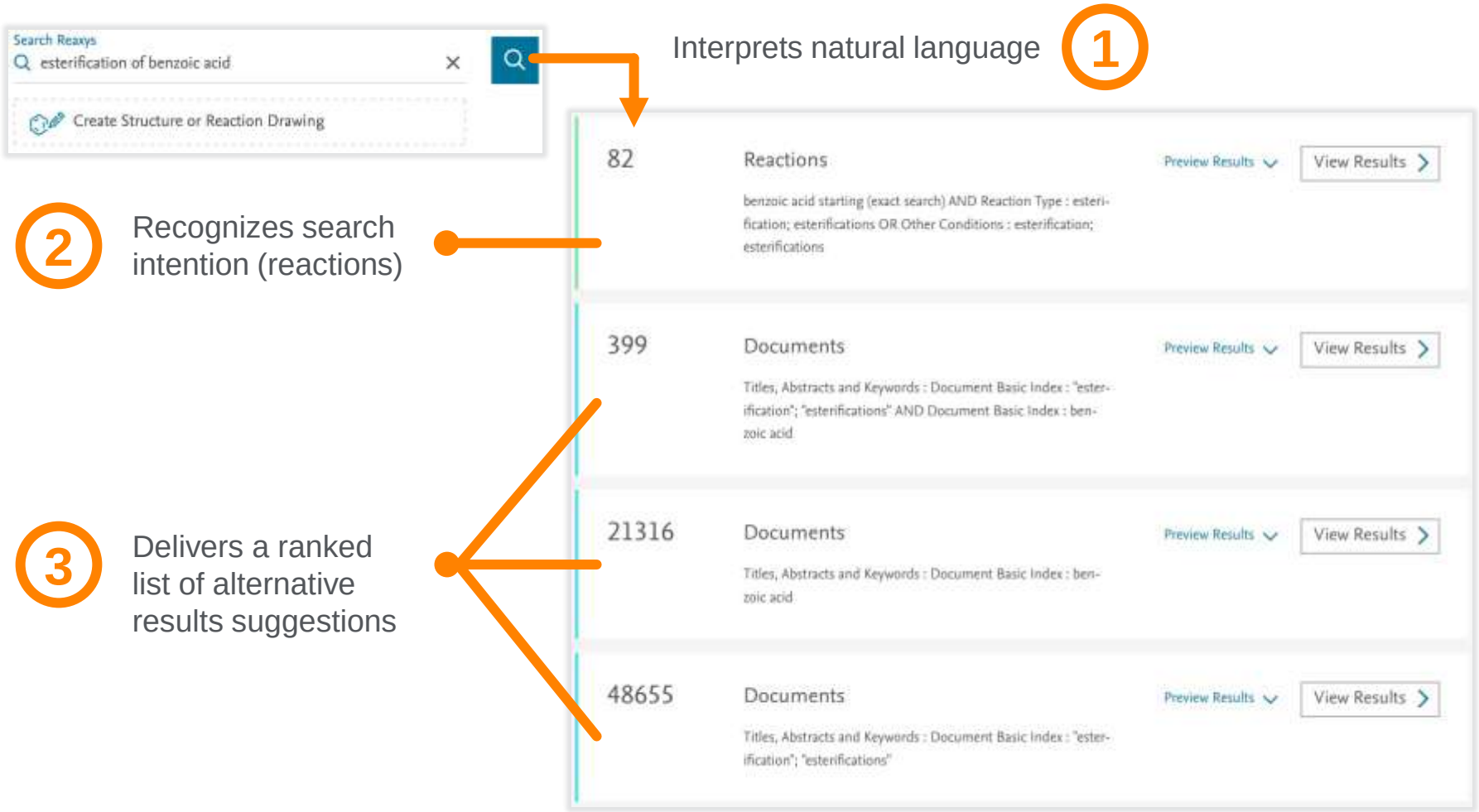


Common search types using natural language and familiar terms

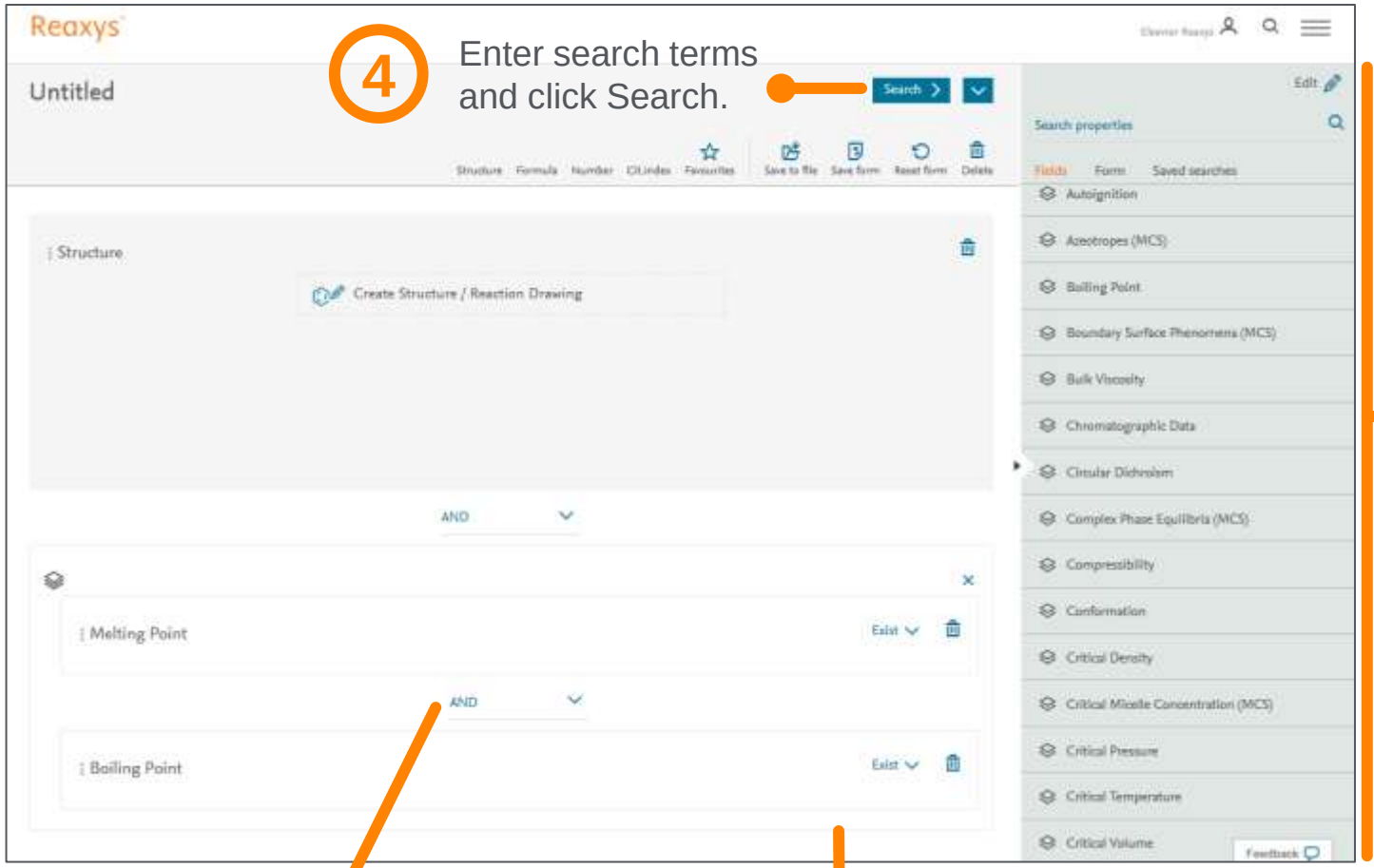
Build your own queries by combining diverse intelligent search fields

For **Quick Search**, simply enter a search phrase and/or draw a structure.

Quick Search recognizes search intention and lists alternative hitsets



Alternatively, use **Query Builder** to create your own targeted queries without being an expert



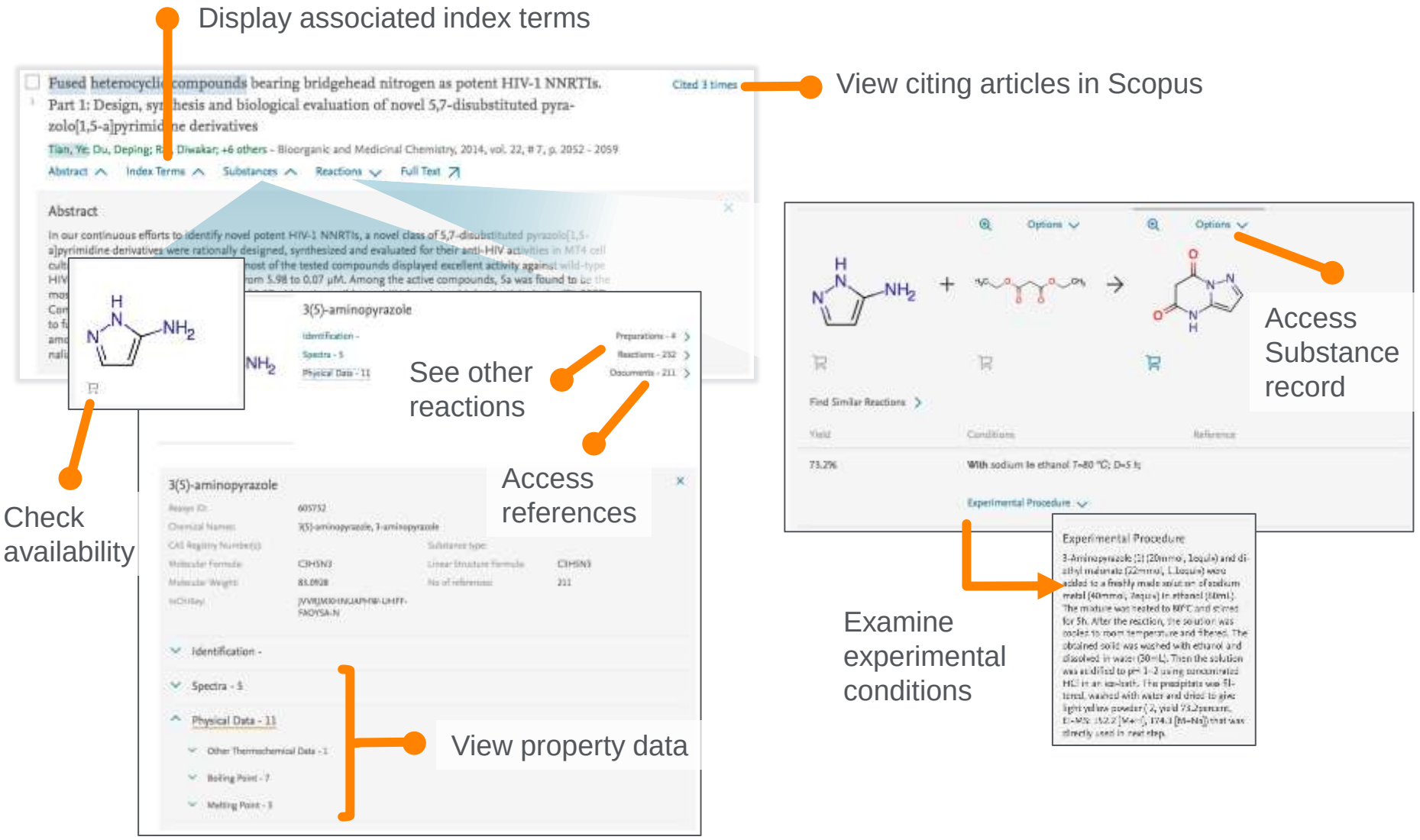
4 Enter search terms and click Search.

1 Search Querylets

2 Drag and drop them into a query

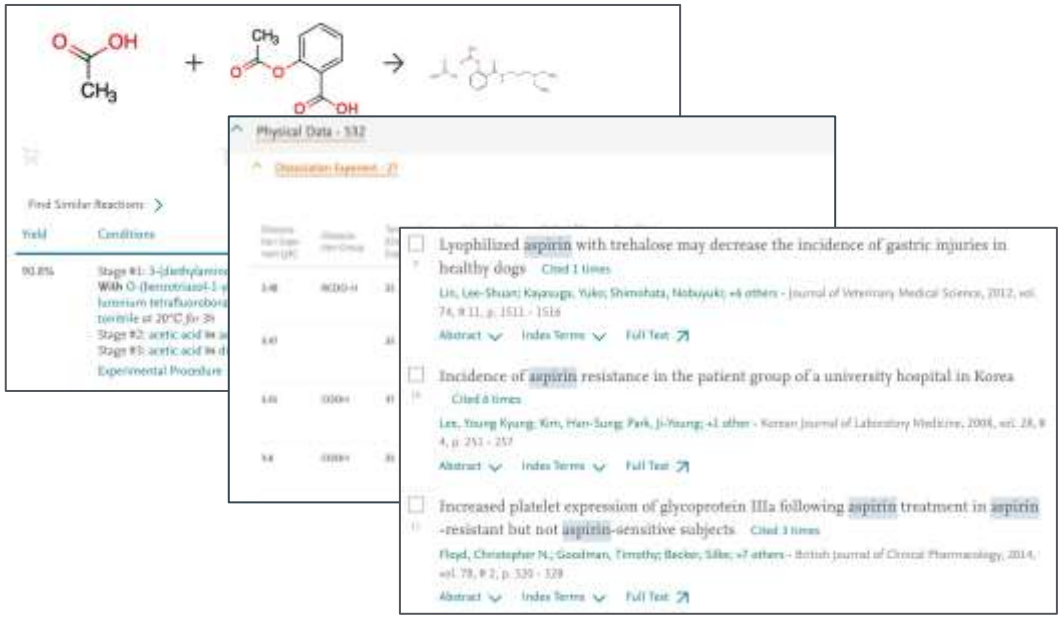
3 Combine them with operators

Each record retrieved offers multiple touch points to discover more within and outside of Reaxys



What is unique about Reaxys2016?

Reaxys2016 aims to deliver **immediate access to information**



While the philosophy of other solutions is to **deliver lists of references** that may be relevant to a query

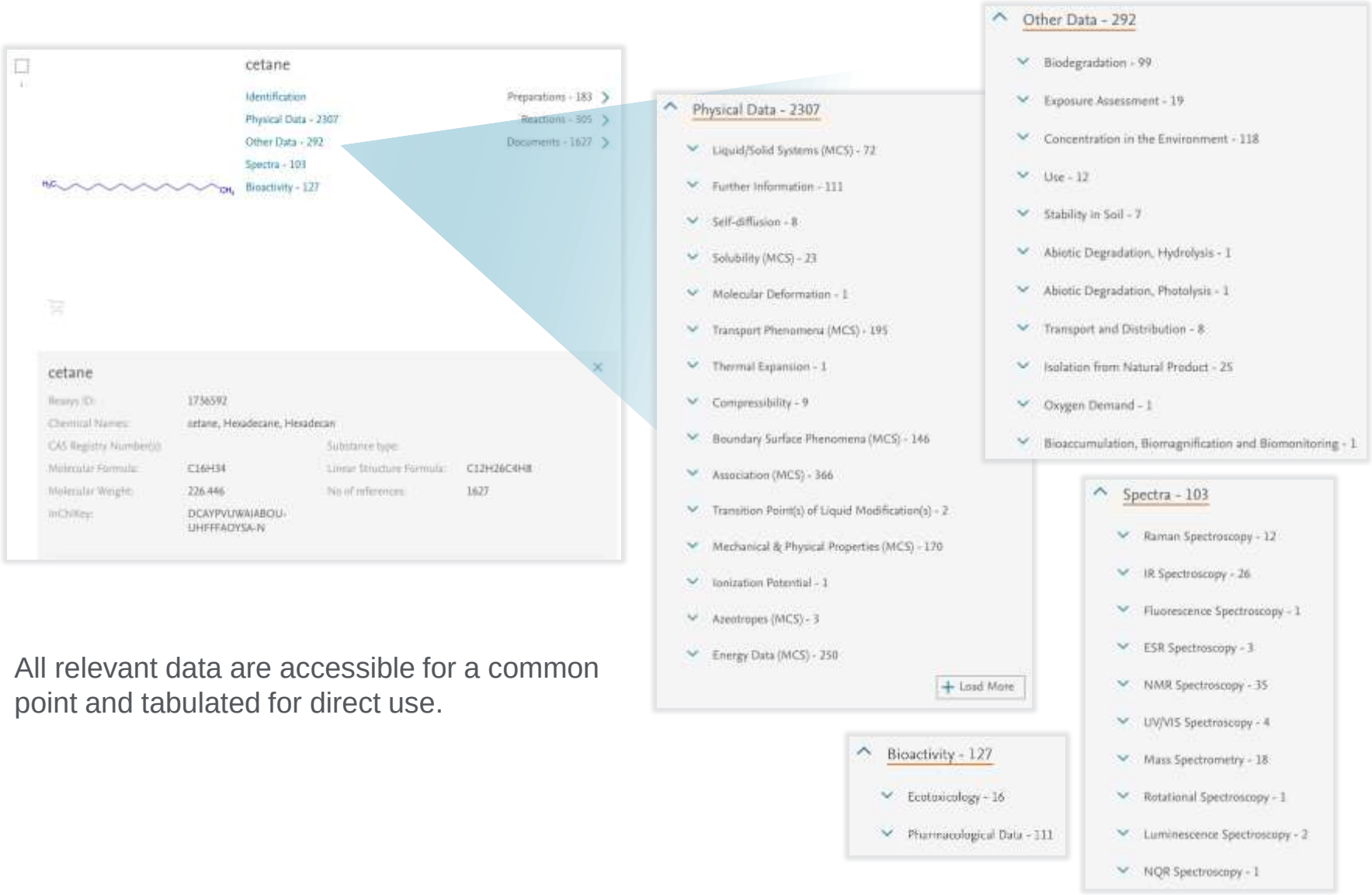
Reaxys strives to **deliver relevant answers on the spot:**

- References ranked by relevance
- Reactions with experimental details
- Substances with extensive properties

Focus on **using** information, not searching for information

How does it do that?

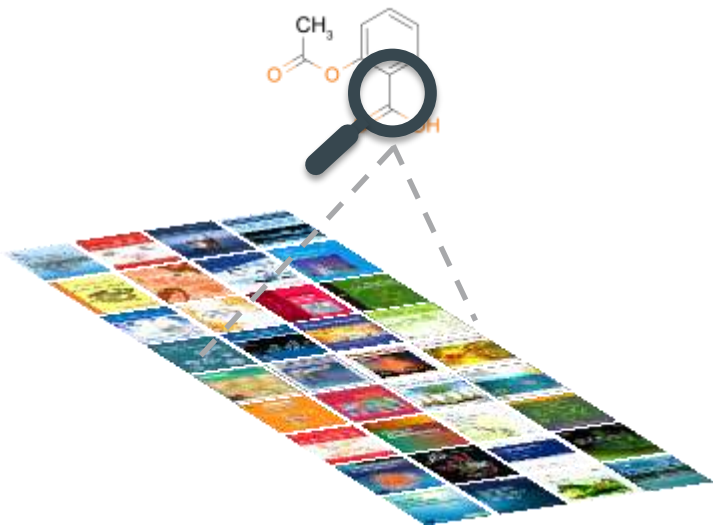
Excerpted data are standardized, normalized and collated into one record for quick and easy access



All relevant data are accessible for a common point and tabulated for direct use.

State-of-the-art indexing augments content richness and brings information from across disciplines into focus

Indexing the full article text body brings the complete information landscape into focus



Additional indexing based on 4 market-leading databases grants access to chemistry across disciplines


Antiviral activity of Bignoniaceae species occurring in the state of Minas Gerais (Brazil): Cited 6 times
Part 1

Brandao; Kroon; Dos Santos; +3 others - Letters in Applied Microbiology, 2010, vol. 51, # 4, p. 469 - 476

Abstract Index Terms Full Text

Index terms

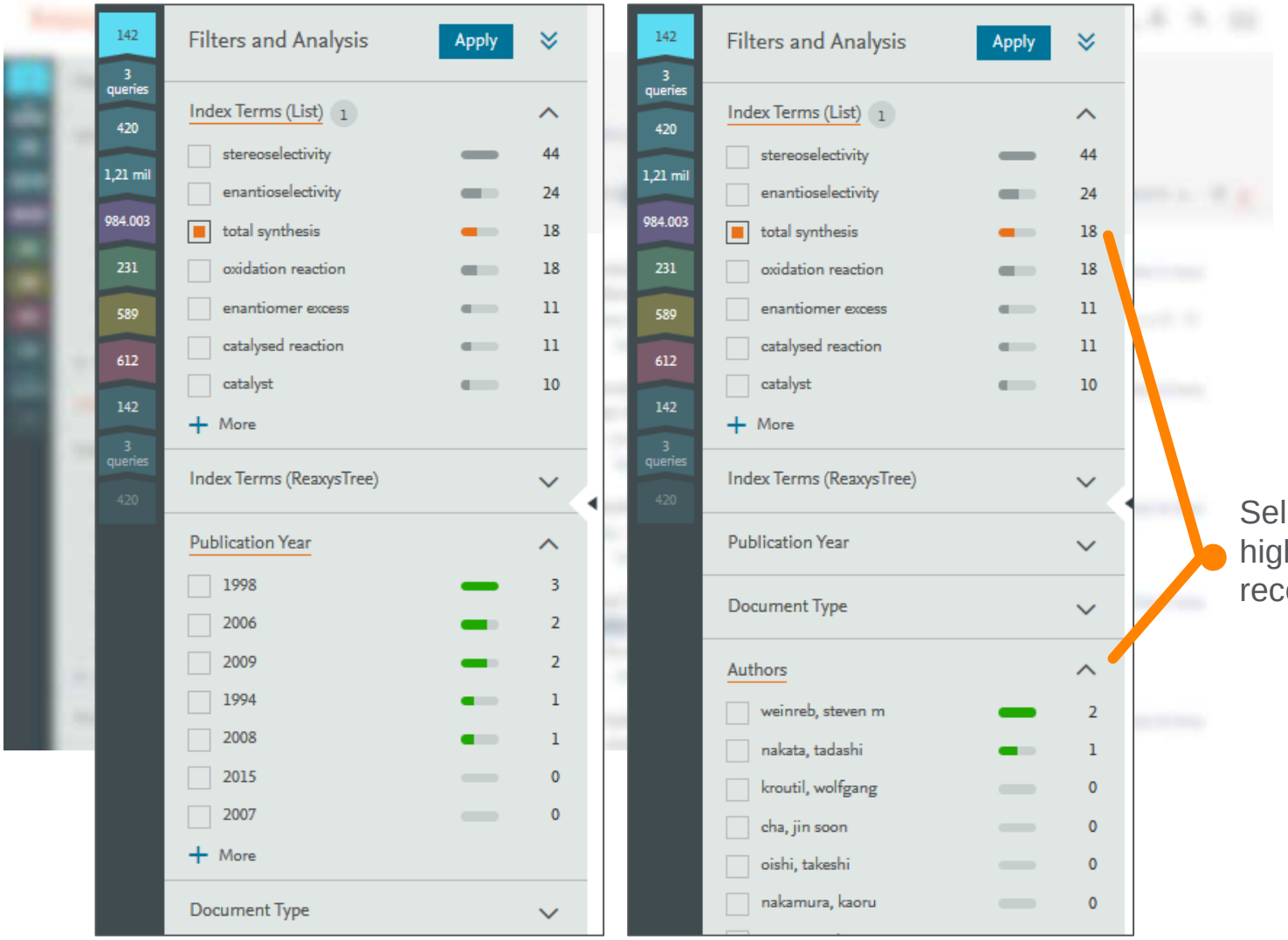
Author keyword: antiviral activity, Bignoniaceae, EMCV, HSV-1, in vitro assays, plant extracts, VACV
Compendex Terms: Antiviral activities, Bignoniaceae, EMCV, HSV-1, In-vitro assays, Plant extract, VACV
Compendex Terms: Assays, Bromine compounds, Ethanol
EMTREE drug term: aciclovir, alpha2a interferon, natural product, plant extract
EMTREE medical term: animal cell, antiviral activity, article, Bignoniaceae, Brazil, controlled study, cytopathogenic effect, cytotoxicity, ethnopharmacology, fruit, Herpes simplex virus 1, in vitro study, Murine encephalomyelitis virus, nonhuman, plant leaf, plant stem, Vaccinia virus, Vero cell
Species index: Bignoniaceae, Encephalomyocarditis virus, Human herpesvirus 1, Murinae, Vaccinia virus
Reaxys Index Terms: antiviral agent

And augments Reaxys content richness:

- **~300K** compounds every year
- **Multiple** Reaxys index terms per source

- **Compendex**: Technology & Engineering
- **EMBASE**: Biomedicine & Pharmacology
- **GeoBase**: Geosciences & Environment
- **MedLine**: Life Sciences & Medicine

Filters and Analysis are interactive for fast filtering and evaluation of results



Selected index term highlights corresponding records in other filters

Three flexible integration points fit to your workflow

WEB
Web Interface

The **database is maintained by Elsevier** and augmented with expertly curated content

Data are accessed from a **web browser** using a powerful User Interface maintained by Elsevier

The interface and presentation of results are optimized for specific end users

API
Application Programming Interface

The database is maintained by Elsevier and augmented with expertly curated content

Data are accessed from **internal systems** and integrated with existing tools, such as electronic lab notebooks

Enables **streamlined use of Reaxys content** and seamless integration for a wide range of applications

FF
Reaxys Flatfile

Expertly curated content of Reaxys is delivered to customer in easily implemented format and **stored internally**

Data are integral component of internal systems environment and access by standing tools and workflows

Enables **data mining and processing**, as well as integration with other internal or external sources