



ЕВРОПЕЙСКИ СЪЮЗ
ЕВРОПЕЙСКИ СТРУКТУРНИ И
ИНВЕСТИЦИОННИ ФОНДОВЕ



ОПЕРАТИВНА ПРОГРАМА
НАУКА И ОБРАЗОВАНИЕ ЗА
ИНТЕЛИГЕНТЕН РАСТЕЖ

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Reaxys[®] Fact Sheet

THE SHORTEST PATH TO KNOWLEDGE BY DATA AND ANALYSIS
Reaxys supports the full range of chemistry research, including pharmaceutical development, environmental health, safety and materials science. Reaxys integrates scientific knowledge from the chemical literature, patents and experimental data from the high-throughput screening community. Reaxys integrates the chemical literature, patents and experimental data from the high-throughput screening community. Reaxys integrates the chemical literature, patents and experimental data from the high-throughput screening community.

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Introduction
Reaxys provides rapid and easy access to experimental facts to empower chemistry research, chemical discovery and scientific education. Finding relevant literature, retrieving precise compound properties and reaction data, and incorporating that information into research workflows has never been easier.

REAXYS IMPROVES R&D PRODUCTIVITY BY PUTTING SCIENTISTS ON THE SHORTEST PATH TO RELEVANT KNOWLEDGE

ENHANCED WITH

- Streamlined compound search
- The latest chemistry literature and patent
- Integrated data on properties, reactions, names
- Research education
- An integrated research workflow
- Items displayed in a single pane
- A single pane for the detailed information

>300 MILLION organic compounds in Reaxys

>40 MILLION chemical reactions

>100 MILLION published experimental data

>10,000 chemical properties

>240 years of chemical knowledge

>6 million experimental data

FEATURES

INTEGRATED RESEARCH DISCOVERY
To ensure the Reaxys platform is discoverable, we have created a complex, discipline of chemistry, incorporating processes into a single software. The core chemistry data, including chemical structures and experimental data, is integrated with a complex of chemical properties, reactions and experimental data. In addition, a complex of chemical structures and experimental data is integrated with a complex of chemical structures and experimental data.

Reaxys offers the shortest path to knowledge from different perspectives, with integrated and comprehensive data on chemical structures, reactions, properties, names, and experimental data. Reaxys offers the shortest path to knowledge from different perspectives, with integrated and comprehensive data on chemical structures, reactions, properties, names, and experimental data.

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GET STARTED QUICKLY
The Reaxys user interface is designed for ease of use and quick access to the data you need. The Reaxys user interface is designed for ease of use and quick access to the data you need. The Reaxys user interface is designed for ease of use and quick access to the data you need.

Figure 1 The Reaxys user interface is designed for ease of use and quick access to the data you need.

Figure 2 The Reaxys user interface is designed for ease of use and quick access to the data you need.

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SEARCH FEED-REVIEWED ARTICLES, PATENTS AND MORE
Reaxys provides a search of a comprehensive database of chemical literature, including chemical structures, reactions, and experimental data. Reaxys provides a search of a comprehensive database of chemical literature, including chemical structures, reactions, and experimental data.

The database covers

- Chemical literature (journal and book)
- Chemical structures, reactions, and experimental data
- Chemical structures, reactions, and experimental data
- Chemical structures, reactions, and experimental data

ROLE OF REAXYS RESEARCH
Reaxys is a research platform for chemical research. Reaxys is a research platform for chemical research. Reaxys is a research platform for chemical research.

Figure 3 Reaxys is a research platform for chemical research.

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PLAN SYNTHESIS ROUTES
Reaxys provides a search of a comprehensive database of chemical literature, including chemical structures, reactions, and experimental data. Reaxys provides a search of a comprehensive database of chemical literature, including chemical structures, reactions, and experimental data.

Figure 4 Reaxys provides a search of a comprehensive database of chemical literature, including chemical structures, reactions, and experimental data.

REACTANT COMPOUND DISCOVERY
Reaxys provides a search of a comprehensive database of chemical literature, including chemical structures, reactions, and experimental data. Reaxys provides a search of a comprehensive database of chemical literature, including chemical structures, reactions, and experimental data.

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SHARE FINDINGS WITH OTHER RESEARCHERS
Reaxys provides a search of a comprehensive database of chemical literature, including chemical structures, reactions, and experimental data. Reaxys provides a search of a comprehensive database of chemical literature, including chemical structures, reactions, and experimental data.

Figure 5 Reaxys provides a search of a comprehensive database of chemical literature, including chemical structures, reactions, and experimental data.

RESEARCHER RESEARCH
Reaxys provides a search of a comprehensive database of chemical literature, including chemical structures, reactions, and experimental data. Reaxys provides a search of a comprehensive database of chemical literature, including chemical structures, reactions, and experimental data.

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Проект BG05M2OP001-2.009-0028 "Постигане на оптимална среда за обучение, научни изследвания, иновации и устойчиво развитие на човешкия капитал в сферата на химическите науки: Адаптиране на образованието днес за утрешния ден", финансиран от Оперативна програма „Наука и образование за интелигентен растеж“, съфинансирана от Европейския съюз чрез Европейските структурни и инвестиционни фондове.

[illegible]

Exercise R4.0 Solutions
For Problems 4.0.1–4.0.10

EXERCISE 4.0.1: THE ROUTE AND CHEMICAL PROPERTIES

Reax-Force Molecular Dynamics can be fully integrated with classical, enabling deep exploration of the molecular and physicochemical properties of liquids, compounds and providing accurate reaction data and potential energy information. Additionally, reax-Force solutions can be used to search through a large, uncharted data landscape.

KEY FEATURES

- What does Reax-Force Molecular Chemistry enable?
 - Confirms assessment of compound efficiency and performance
 - Quantification of compound and system efficiency
 - Rapid assessment of a system
 - Detect data without need for normalization
 - Enable increase of the kinetic environment

Exercise R4.0 Solutions | Reax-Force Molecular Chemistry

4

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