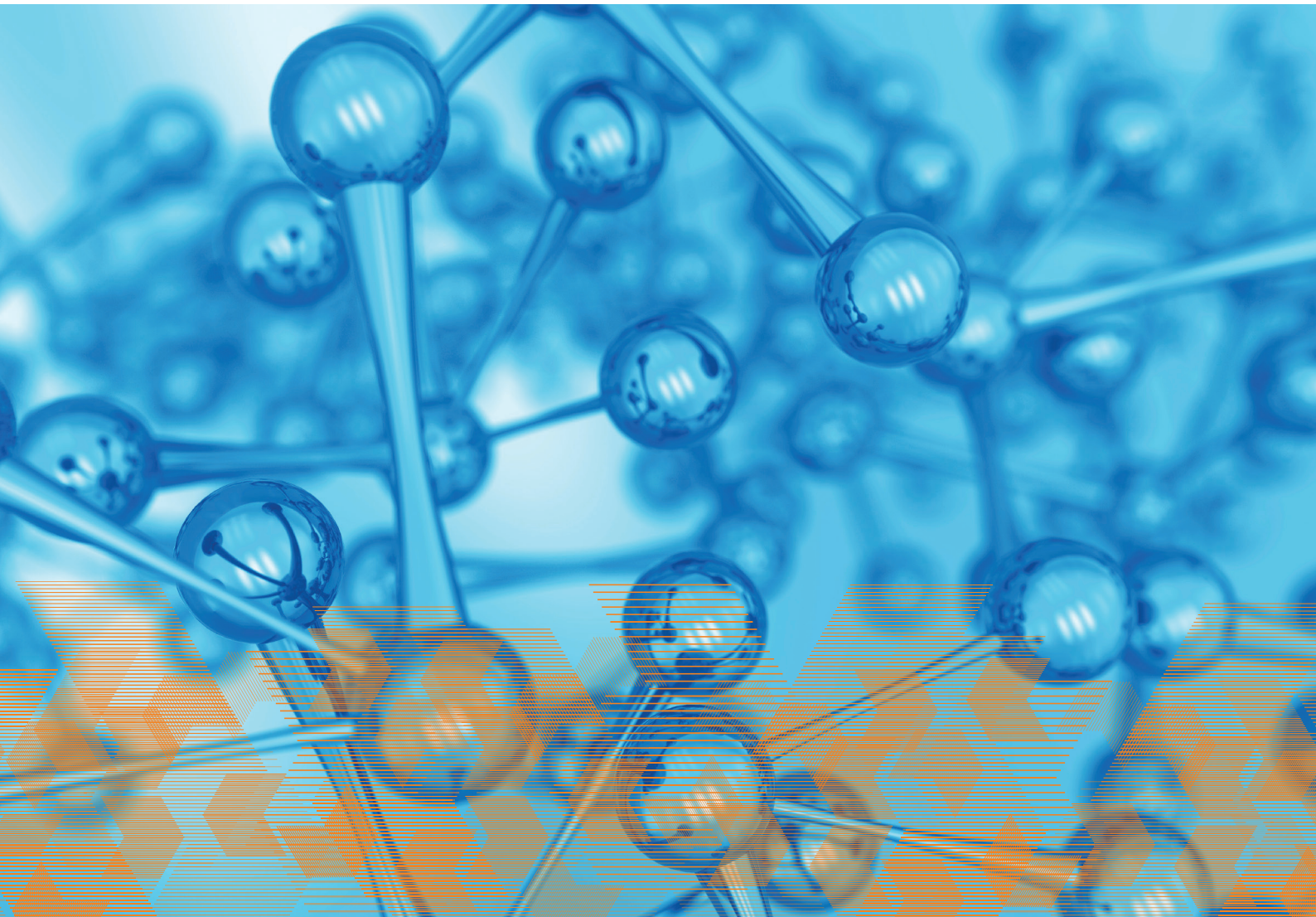


Reaxys[®]

Fact Sheet



THE SHORTEST PATH TO CHEMISTRY DATA AND LITERATURE

Designed to support the full range of chemistry research, including pharmaceutical development, environmental health & safety work and material science, Reaxys puts every scientist, from novice to expert, on the shortest path to answers. Chemistry queries are launched from the highly intuitive search interface to quickly retrieve relevant literature, patent information, valid compound properties and experimental procedures. Finding answer has never been easier.



ELSEVIER



Reaxys[®] Fact Sheet

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 ANSWERS.

QUESTION

- Does this compound exist?
- What do we know about it?
- How can I obtain it?
- Is it involved in novel research?
- Who else is working on it?

ANSWERED WITH

- The latest chemistry literature and patents
- Excerpted data on properties, reactions & more
- Excerpted synthesis plans & purchase information
- Patent data from every relevant patent office
- Direct links to Scopus for detailed information

>105 MILLION
organic, inorganic
and organometallic
compounds

>41 MILLION
chemical reactions

>500 MILLION
published experimental
facts

>16,000
chemistry-related
periodicals

>240
years of chemistry
knowledge

6
indexing sources for a
cross-disciplinary view
of chemistry

FEATURES

SMART INDEXING FOR MAXIMUM DISCOVERABILITY

To ensure that Reaxys fully facilitates discoverability in the far-reaching and complex discipline of chemistry, two indexing processes occur alongside each other: the familiar manual indexing and excerption method applied to the essential journals, patents and textbook chapters; and a novel automatic but human-like indexing process applied to the broader range of chemistry-related periodicals and patents.

Both processes use a chemistry-focused taxonomy covering every topic of interest to scientists performing chemistry research. They combine to maximize the discoverability of compound properties and relevant literature. In addition, because different scientists approach articles from different perspectives, each record is indexed with terms from 6 sources: Authors (from Scopus[®]), Compendex[®], Embase[®], GeoBase[®], MEDLINE[®] and Reaxys itself. This supports a truly cross-disciplinary view of chemistry information.

GET STARTED QUICKLY

The streamlined user interface means it's easy for even novice users to get started. Quick searches for literature or compound properties are possible using natural language-based keyword queries or structure or reaction drawings (Figure 1). The full query builder enables construction of complex queries using a streamlined drag-and-drop interface that includes all the essential search input, including structure drawing, molecular formula building and basic indexes (Figure 2).

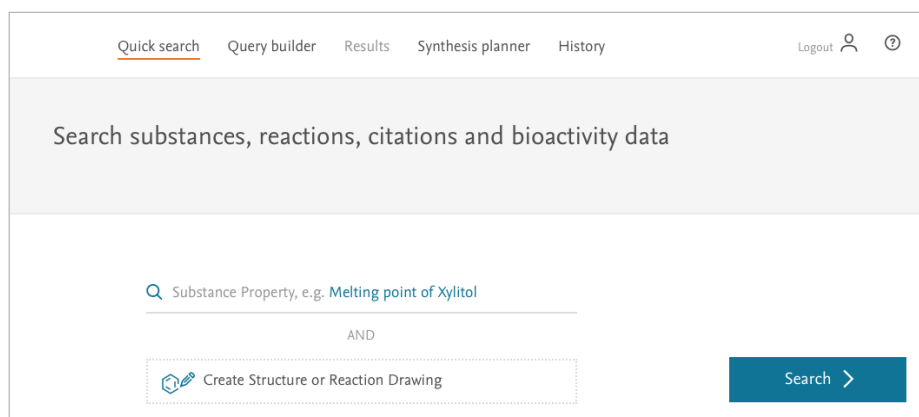


Figure 1. The Reaxys home screen gives two intuitive quick search options.

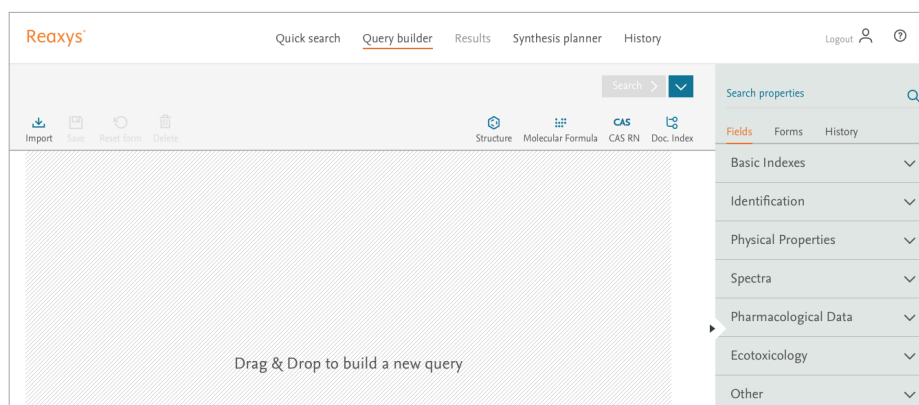


Figure 2. The query builder screen puts all the most important search features in one place.

SEARCH PEER-REVIEWED ARTICLES, PATENTS AND MORE

Each query starts a search of a comprehensive database of literature covering every type of literature. Reaxys enables users to retrieve precise data points from within articles and patents or find full-text content.

The database covers:

- ~450 core chemistry journals and textbooks
A carefully curated collection of essential titles in organic, inorganic and physical chemistry as well as material science, petrochemistry, pharmacology, and medicinal and computational chemistry
- >16,000 chemistry-related periodicals, including conference abstracts
A broad range of content that is relevant for chemists, including minor publications in core fields and major publications in related fields
- Patents from all the major world offices, including the US and Asia
A global range of deeply indexed patents that undergo data excerption, going beyond the WO, US and EP content to include Asian-language patents from the China, Taiwan, Japan and South Korea offices

FOCUS ON RELEVANT RESULTS

Designed in a user-centric process to ensure that scientists' needs are met, Reaxys has a streamlined interface for selecting the desired results view (Figure 3) and filtering and refining hitsets (Figure 4).

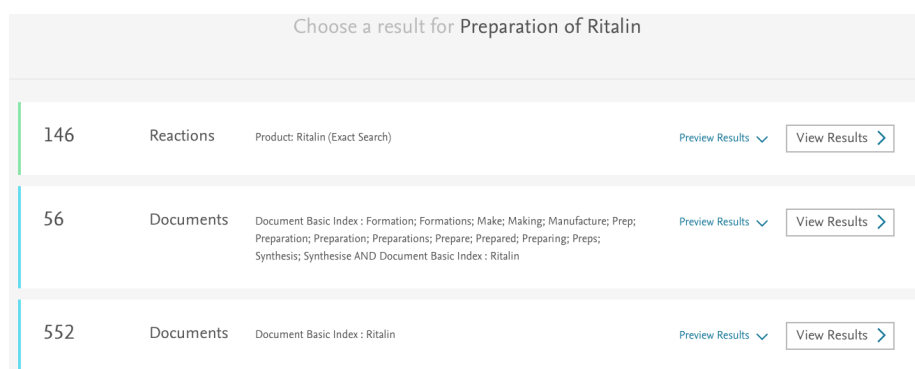


Figure 3. Users select the result set based on relevance to their query.

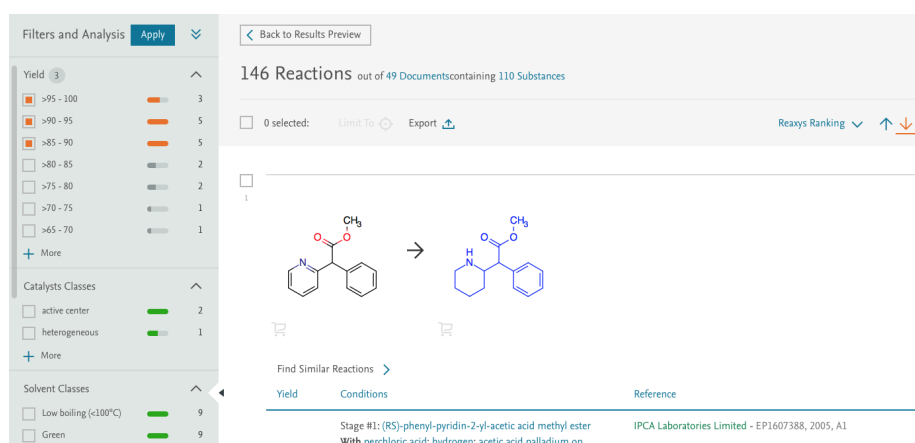


Figure 4. Reaxys offers multiple options to filter and refine hitsets.

PLAN SYNTHESIS ROUTES

Reaxys AutoPlan (Figure 5) removes the time-consuming aspects of synthesis planning by instantly generating multiple, alternative synthesis pathways for compounds of interest. Synthesis plans are constructed from reactions described in multiple source documents, allowing users to build the best synthesis route for their purpose.

Reaxys AutoPlan includes links to the eMolecules®, Biovia® ACD and PerkinElmer® ChemACX databases to provide more information, including the best options for buying the compounds.

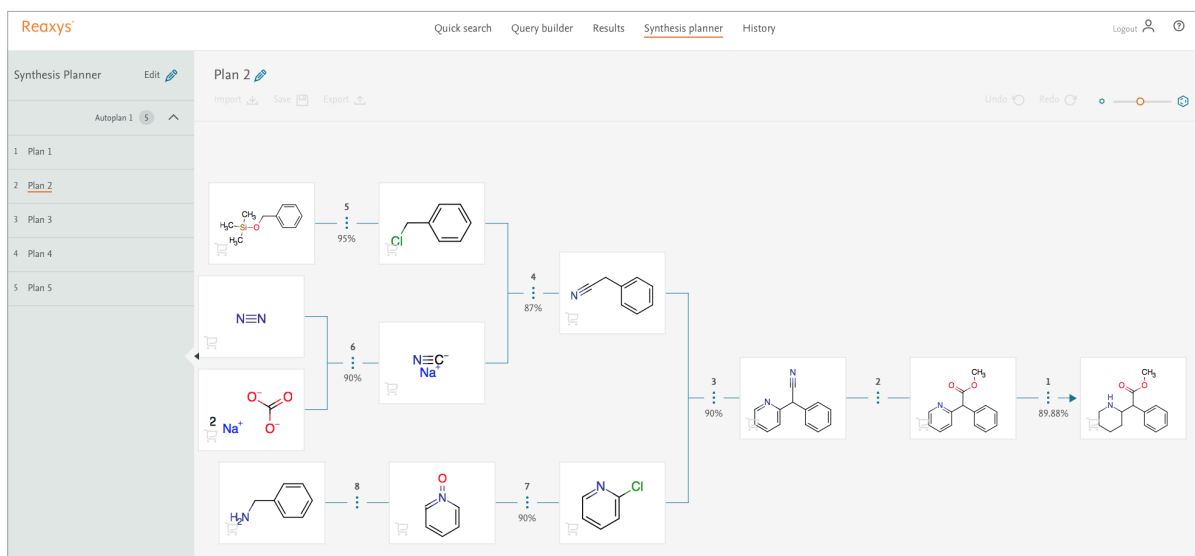


Figure 5. Reaxys AutoPlan generates multiple synthesis pathways.

INVESTIGATE COMPOUND BIOACTIVITY

Reaxys can be fully integrated with Reaxys Medicinal Chemistry allowing deeper exploration of the relationships between compounds of interest, targets and bioactivity data. Subscribers to both solutions can access them through a single, streamlined user interface.

SHARE FINDINGS WITH OTHER RESEARCHERS

Reaxys Export (Figure 6) is a simple way to export and share search results. Clicking on Export in any result gives numerous format options suitable for any post-processing workflows.

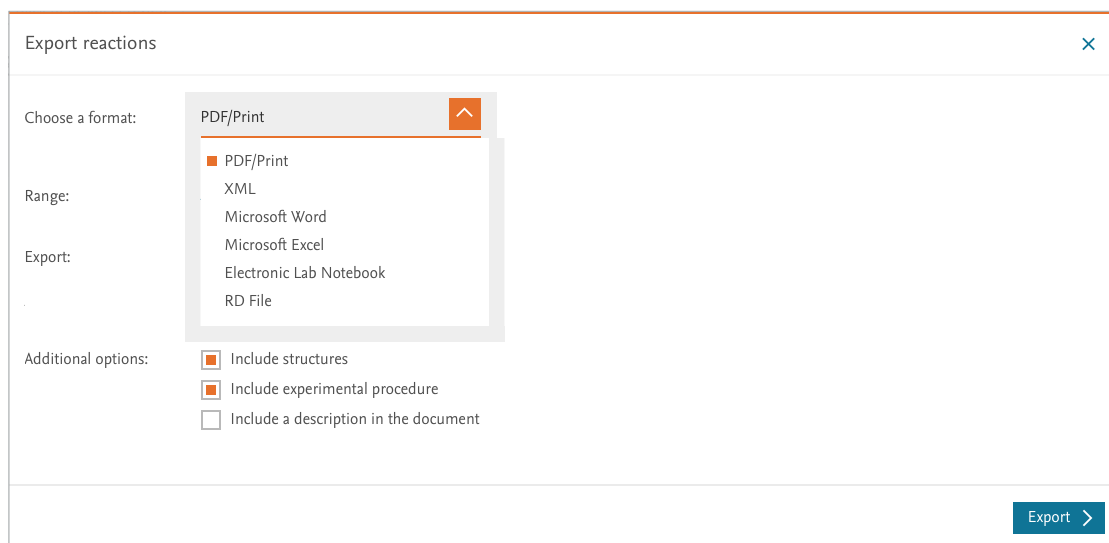


Figure 6. Reaxys Export permits easy sharing of findings.

INTEGRATE REAXYS INTO EXISTING WORKFLOWS

Reaxys provides multiple options for the integration of our content into an existing tool and system environment. It is compatible with electronic lab notebooks (ELNs) from major suppliers, including Accelrys, Perkin Elmer and IDBS.

The **Application Programming Interface** allows flexible information delivery and real-time programming access to the Reaxys content and system. The **Structure Flat File** delivers structures, related fact and reaction data and patent information for in-house use, e.g., structural analog searching and assessments of the uniqueness of a compound. The Elsevier R&D Solutions Professional Services team is prepared to assist in the seamless integration of Reaxys into existing workflows.

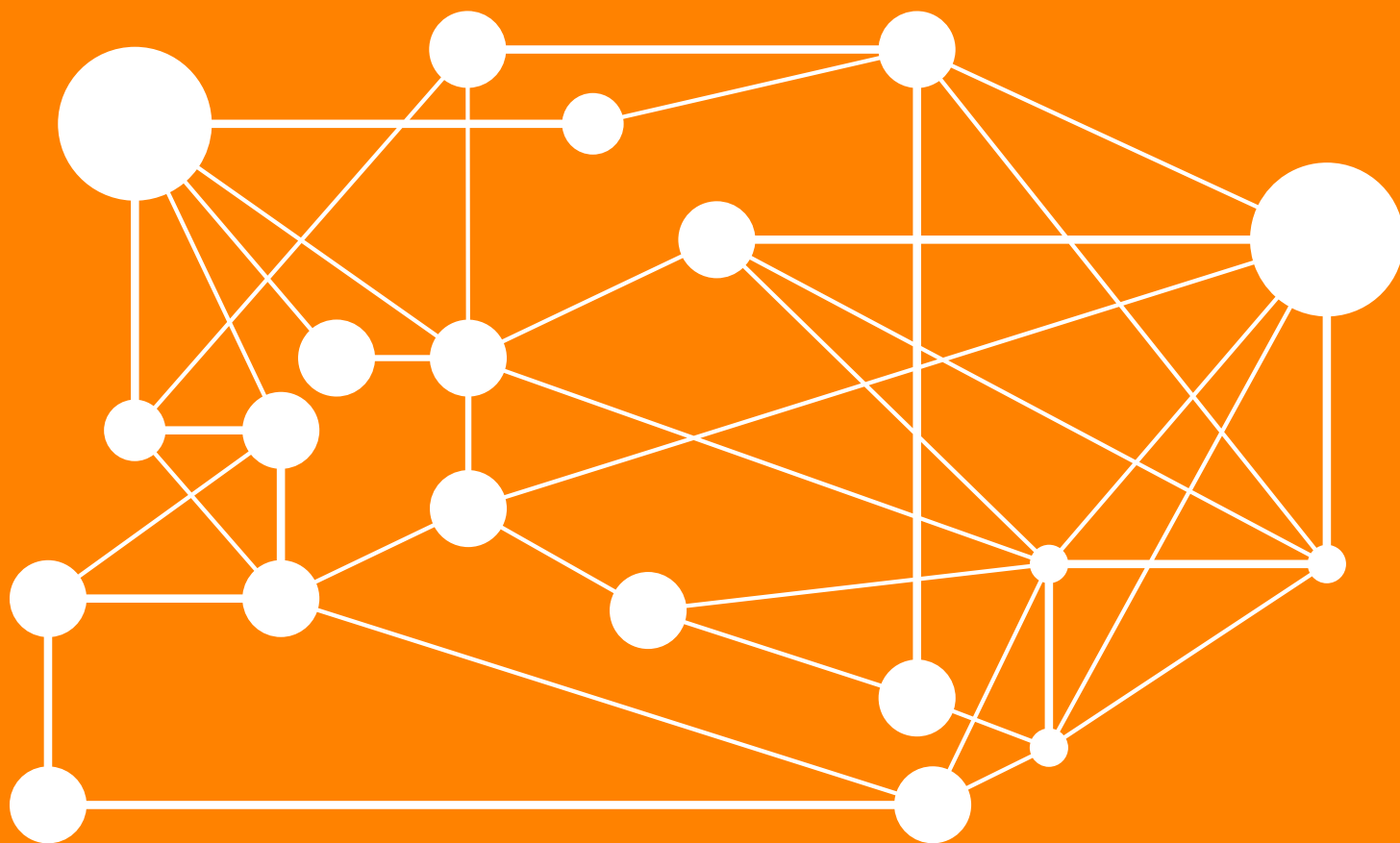
KEY BENEFITS

Reaxys enables researchers to:

- Discover chemical structures, properties and reactions
- Find relevant literature and patents with ease
- Construct queries with streamlined, intuitive interfaces
- Assess compound synthesis and purchase options
- Share data within and outside an organization or institution
- Compare in-house and published experimental data

GET STARTED

To learn more about how Reaxys can help your company or institute achieve success in research or education, contact your Elsevier sales representative at elsevier.com/reaxys



LEARN MORE

To request information or a product demonstration, please visit elsevier.com/reaxys or email us at reaxys@elsevier.com.

Visit www.elsevier.com/rd-solutions or contact your nearest Elsevier office.

ASIA AND AUSTRALIA

Tel: + 65 6349 0222

Email: sginfo@elsevier.com

JAPAN

Tel: + 81 3 5561 5034

Email: jpinfo@elsevier.com

KOREA AND TAIWAN

Tel: +82 2 6714 3000

Email: krinfo.corp@elsevier.com

EUROPE, MIDDLE EAST AND AFRICA

Tel: +31 20 485 3767

Email: nlinfo@elsevier.com

NORTH AMERICA, CENTRAL AMERICA AND CANADA

Tel: +1 888 615 4500

Email: usinfo@elsevier.com

SOUTH AMERICA

Tel: +55 21 3970 9300

Email: brinfo@elsevier.com