



Chemical Abstracts Service
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STN in North America

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STN[®]

Science from every
perspective

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From laboratory to marketplace— key pharmaceutical information on STN

Access to current and comprehensive information is crucial for transforming ideas into products. STN provides the information you need throughout the drug development process.

STN provides...	Which is helpful...
Substance and synthesis information	For research and target identification
Patent information	For legal, technical, and competitive analysis
Pharmacological and toxicological information	During trials and testing
Regulatory and legislative information	While seeking approval to market
Manufacturing information	While planning for production
Business information and news	For competitive analysis and planning for launch in the marketplace

Substance and synthesis information

Today the scientist's desktop is a virtual laboratory – substance and synthesis information is a critical factor in the discovery process. STN databases give you access to the following types of information:

- Structures
- Sequences
- Reactions
- Property data

STN databases with substance and synthesis information.

Database	Features and content
BEILSTEIN	Fully searchable organic chemical structures; comprehensive information on chemical and physical properties; pharmacological and toxicological information; nearly 9 million chemical reactions
CAplusSM	Comprehensive chemistry bibliographic database with nearly 24 million records from patents, international journals, technical reports, books, conference proceedings, and dissertations; all areas of chemistry and related sciences, e.g., pharmacology and toxicology
CASREACT[®]	Over 8 million single-step and multistep reactions of organic substances, including organometallics and biomolecules
CHEMINFORMRX	Reaction information including structure diagrams for reactants and products
DJSMONLINE	Key references on novel synthetic methods from the worldwide patent and scientific literature
PROUSDDR (Drug Data Report)	More than 160,000 bioactive compounds from journals and patents; direct links to other substances in PROUSDDR or SYNTHLINE available by using STN Express [®] with <i>Discover!</i> TM
PS (Pharmaceutical Substances)	Synthetic pathways, various industrial preparations, and citations mostly from patents for active pharmaceutical ingredients
REGISTRY	Over 23 million organic and inorganic substances and 42 million sequences; substructure searching for identification of target substances and their stereoisomers, salts, or polymers; property information for many of the more common substances; CAS Registry Number [®] links to many other STN databases containing pharmaceutical information
SYNTHLINE[®]	Schemes for syntheses of drugs currently on the market or in development worldwide

Patent information

Patent-oriented searches help you:

- Anticipate trends in the marketplace to stay ahead of your competitors
- Avoid research in areas where others have been granted protection
- Determine whether an invention is already patented, or whether an application has been filed
- Locate valuable technical information
- Protect your organization's patents from infringement
- Track the patent expiry date for a drug

STN offers patent databases with international coverage of all fields in science and technology, national patent databases for several countries, and subject-specific patent databases for specific fields, e.g., sequences and drugs. STN also provides uniform patent number formatting in both STN and Derwent formats and special patent searching tools, e.g., FSORT and FSEARCH commands.

Pharmacological and toxicological information

Results from clinical trials and medical research studies with dosage, routes of administration, therapeutic effects, and adverse effects data are important. A wealth of pharmacological and toxicological data can be found on STN.

Databases with additional life science information include:

- BIOSIS®
- EMBASE
- MEDLINE®
- TOXCENTERSM
- SCISEARCH

STN databases with patent information.

Database	Features and content
International	
CAplus	Patents from more than 50 active patent-issuing authorities, plus technical disclosures from <i>IP.com</i> and <i>Research Disclosure</i> ; over 9,000 journals containing prior art
INPADOC	Bibliographic information, classification codes, international patent families, and legal status data for patents from over 70 patent-issuing authorities
WPIDS/WPINDEX/WPIX (Derwent World Patents Index®)	Patents from the 40 most important industrial countries, the EPO and WIPO; chemical indexing; structure searching
National	
IFIPAT/IFUDB/IFICDB	Chemical-related U.S. patents from 1950 to the present
JAPIO	Comprehensive English-language access to Japanese unexamined patent applications in all areas of technology
PATDPA	Scientific and technological patents from Germany
Full text	
EUROPATFULL	Full text of European patent applications and granted patents published by the EPO
FRFULL	Full text of French patent applications
PATDPAFULL	Full text of German patents
PCTFULL	Full text of PCT published applications
USPATFULL	Full text of U.S. patents
Nucleic acid and amino acid sequences	
DGENE (Derwent GENESEQ™)	Over 5 million nucleic acid and protein sequence records
PCTGEN (World Patent Application Biosequences)	Over 1.7 nucleic acid and protein sequence records from patent applications electronically submitted to WIPO
REGISTRY	Over 1.7 million patented proteins and 4.5 million patented nucleic acid sequences with references available in CAplus

STN databases with pharmacological and toxicological information.

Database	Features and content
ADISCTI	Drugs, drug therapy, adverse drug reactions, and economic aspects of drugs from over 2,300 international medical and biomedical journals
ADISINSIGHT	Full text of reports on drugs in active research and development
DRUGMONOG	Standardized profiles and monographs for over 400,000 marketed pharmaceutical products in 50 markets worldwide
DRUGU	Structure-searchable database covering all aspects of drug synthesis, development, evaluation, manufacturing, and use
IMSPRODUCT	Alerting service that monitors pharmaceutical product introductions in 65 countries
IMSRESEARCH	All phases of drug development, from laboratory to international marketing
PHAR	Drug marketing, R&D, and licensing information for pharmaceutical products under development in the world's major markets

Regulatory and legislative information

Monitoring regulatory and legislative actions is an important part of the competitive assessment in the drug and healthcare marketplace. This information is also needed when seeking approval to market a new product.

Manufacturing information

Information on significant manufacturing aspects, e.g., pharmaceutical packaging and drug devices, is available in various engineering databases on STN. Manufacturing information can be invaluable as you prepare to produce and launch a product.

Business information and news

Business information and news are an invaluable part of the competitive intelligence process. Information on STN can help you:

- Locate corporate information for market analysis
- Compare R&D pipelines of competing companies
- Monitor news on innovations, competing technologies, patents, and public opinion
- Monitor new drug life cycles, from laboratory to marketplace

STN databases with regulatory and legislative information.

Database	Features and content
CHEMLIST®	Chemical substances listed on national inventories
DIOGENES	U.S. Food and Drug Administration (FDA) regulatory information needed by the healthcare industry
FEDREGFULL	Full text of the Federal Register from 1997 to the present

STN databases with manufacturing information.

Database	Features and content
BIOTECHNO	International coverage of scientific, technological, and professional biotechnology literature – from fundamental research to industrial applications
COMPENDEX®	All engineering disciplines from worldwide engineering and technology journals and conference proceedings
EMBASE	Pharmaceutical and biomedical fields, including medical devices, biomedical engineering, biotechnology, and combination products
INSPEC®	Physics, electronics, and computing, including materials science, power systems and applications, and system and control technology
PIRA	Business and technological developments of the pulp and paper, imaging, packaging, printing, publishing, and nonwovens industries

STN databases with business information and news.

Database	Features and content
ABI/INFORM	Worldwide business and management issues
ADISNEWS	Important developments in drugs and drug therapy from the world's biomedical literature, major meetings, and symposia
BIOCOMMERCE	Business aspects of biotechnology and biological sciences worldwide
CBNB	Chemical industry news, with an emphasis on Europe
IMSCOPROFILE	Internal makeup of over 100 key pharmaceutical companies worldwide
IMSDRUGNEWS	New developments in pharmaceutical companies, drugs, and healthcare institutions worldwide
INVESTEXT®	Company, industry, and geographic research reports generated by analysts at more than 500 leading investment banks, brokerage firms, and research organizations worldwide
PHARMAML	Up-to-date news and information on all aspects of the pharmaceutical and healthcare industries
PROMT	Companies, products, applied technologies, and markets for worldwide manufacturing and service industries

Additional resources

For additional information, refer to target web pages for the pharmaceutical and regulatory industries available respectively at:

www.cas.org/PHARM/pharm.html

www.cas.org/Support/substance.html

APOLLIT

Applied Polymers Literature

–no connect-hour charges in June 2004

Explore APOLLIT, a database that lets you access worldwide literature on the production, applications, and technological properties of plastics, rubbers, and fibers, the fundamental physical and chemical properties of polymers, and the environmental and economic aspects of plastics.

Connect-hour charges will be waived during June 2004. The connect-hour charges will be automatically deducted from your STN invoice. Standard DISPLAY, PRINT, and telecommunication charges still apply. This offer is not valid in STN Easy.

The APOLLIT Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/apollitss.html

BEILSTEIN

–database updated; workshop materials available

BEILSTEIN has been updated. Approximately 71,000 new compounds have been added, and recent information for more than 40,000 compounds has been supplemented.

BEILSTEIN now contains over 8.9 million organic compounds. Reactions are available for over 7.7 million substances.

The workshop materials from the *BEILSTEIN on STN* Workshop held at the ACS National Meeting, in Anaheim, California, on March 30, 2004, are available at:

www.stn-international.com/training_center/chemistry/beilstein/beilstein_wsm.pdf

The BEILSTEIN Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/beilsteinss.html

CASM/CAplus

–patent coverage expanded; new document type, NONPATENT, available; records containing expanded German patent application and patent publication numbers added

Patent documents from Moldova and Turkey are now covered in the CA/CAplus family of files. The coverage is retroactive to January 1, 2000.

CAS patent coverage information is available at:

www.cas.org/EO/patyyear.html

A new document type, NONPATENT, is available. To locate non-patent documents, search or expand on NONPATENT/DT. The specific non-patent document type, e.g., journal, will display in the Document Type (/DT) field.

Records reflecting the expanded format of German application and patent publication numbers are now in CA/CAplus.

For more details on the format changes, refer to the Take Note article, *German application and patent publication number format changes*, in the January/February 2004 issue of *STNews*, available at:

www.cas.org/STNEWS/JANFEB04/takenote.html#germanpat

The revised CA/CAplus Database Summary Sheets are available at:

www.cas.org/ONLINE/DBSS/cass.html
www.cas.org/ONLINE/DBSS/caplusss.html

DRUGB/DDFB and DRUGU/DDFU Derwent Drug Back File and Derwent Drug File

–keywords revised

A recent review of psychiatric disease keywords used in DRUGB/DDFB and DRUGU/DDFU prompted a revision based on standard terms used in DSM-IV (Diagnostic and Statistical Manual of Mental Disorders - Fourth Edition). These changes should improve ongoing compatibility with other databases and aid cross-file searching.

Details of the keyword revision are available at:

thomsonderwent.com/derwenthome/support/userguides/lit_guide/#ddfpsychterms

The revised DRUGB/DDFB and DRUGU/DDFU Database Summary Sheets are available at:

www.cas.org/ONLINE/DBSS/drugbss.html
www.cas.org/ONLINE/DBSS/ddfbss.html
www.cas.org/ONLINE/DBSS/druguss.html
www.cas.org/ONLINE/DBSS/ddfuss.html

EUROPATFULL **European Patent Office Patents** **—added to an additional database cluster**

EUROPATFULL has been added to an additional database cluster, FULLTEXT.

A complete listing of database clusters is available at:

www.cas.org/ONLINE/CATALOG/CLUSTERS/cover.html

The EUROPATFULL Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/europatfullss.html

FRFULL **French Patents FULLtext** **—new patent full-text database available; added to database clusters**

A new patent full-text database, French Patents FULLtext (FRFULL), is now available on STN. Produced by Univentio®, FRRFULL contains the full text of patent applications published in France from 1980 to the present. Records are searchable online approximately 7 days after publication of the document.

FRFULL records contain searchable text of the complete patent document, including:

- Abstracts in English for records from 1996 to the present (machine translated)
- Abstracts in French for records from 1996 to the present
- Claims
- Descriptive text
- Inventor
- Patent applicant
- Patent application data
- Patent assignee
- Priority application data
- Titles in English (machine translated)
- Titles in French

FRFULL contains more than 410,000 records from 1980 to the present. It is updated weekly, and current-awareness alerts (SDIs) are available weekly (default) or monthly.

Simultaneous left and right truncation is available in the Basic Index (/BI).

FRFULL also contains the following custom display fields:

- Legal Status (LS)
- Legal Status, Detailed version with display headers (LS2)

Both fields display the legal status data from INPADOC for the corresponding FRRFULL document, and are not contained in any predefined display format.

FRFULL participates in the STN Information Keep & Share Program.

Note: Univentio uses an optical character recognition (OCR) process to convert the original French patent documents into an electronic format. Therefore, some characters may be misinterpreted or portions of the text may be incomplete.

For pricing information, enter HELP COST in the database.

FRFULL has also been added to the AEROTECH, ALLBIB, AUTHORS, CORPSOURCE, ENGINEERING, FULLTEXT, HPATENTS, PATENTS, and PNTTEXT database clusters.

A complete listing of database clusters is available at:

www.cas.org/ONLINE/CATALOG/CLUSTERS/cover.html

The FRRFULL Database Summary Sheet is included with this issue of *STNews* and is available at:

www.cas.org/ONLINE/DBSS/frfullss.html

IFIPAT/IFICDB/IFIUDB **IFI Patent Database/IFI Comprehensive Database/IFI Uniterm Database** **—new super search and display field available**

A new super search and display field, Patent Assignee Group (/PASS), is available in IFIPAT/IFICDB/IFIUDB. /PASS lets you search for patent assignee information from the Patent Assignee (/PA), Patent Assignee in Nonstandard Format (/PAF), and Patent Assignee (Probable) (/PPA) fields at one time.

The revised IFIPAT/IFICDB/IFIUDB Database Summary Sheets are available at:

www.cas.org/ONLINE/DBSS/ifipatss.html

www.cas.org/ONLINE/DBSS/ificdbss.html

www.cas.org/ONLINE/DBSS/ifiudbss.html

LITALERT LITigation ALERTs

–new patent and trademark litigation database available; added to database clusters

A new patent and trademark litigation awareness database, LITigation ALERTs or LitAlert® (LITALERT), is available on STN. LITALERT is produced by Thomson Derwent, part of Thomson Scientific.

LITALERT provides information about U.S. litigation affecting intellectual property and is a unique tool for monitoring and researching which U.S. patents, trademarks, and companies are involved in litigation.

Information in LITALERT comes from:

- Patent and trademark infringement lawsuits filed in the 94 U.S. District Courts since 1973 and reported to the Commissioner of the United States Patent and Trademark Office (USPTO)
- Lawsuits filed since the early 1970s that have not been reported in the USPTO Official Gazette

LITALERT records contain:

- Date of issue
- Names of inventors, owners, and assignees
- Patent number or trademark registration number
- Patent title or trademark name
- U.S. classification title and class number

In addition, descriptive text is available for each record and may contain:

- Court in which the action is taking place
- Docket number
- Filing date
- Judgement and date
- Plaintiff(s) and Defendant(s)

Copies of the filings referenced in court actions may be obtained from Thomson Derwent.

Simultaneous left and right truncation is available in the Basic Index (/BI).

LITALERT contains over 65,000 records from 1973 to the present. It is updated weekly, and current-awareness alerts (SDIs) are available weekly (default) or monthly.

LITALERT participates in the STN Information Keep & Share Program.

For pricing information, enter HELP COST in the database.

LITALERT has also been added to the HPATENTS, PATENTS, and TRADEMARKS database clusters.

A complete listing of database clusters is available at:

www.cas.org/ONLINE/CATALOG/CLUSTERS/cover.html

The LITALERT Database Summary Sheet is included with this issue of *STNews* and is available at:

www.cas.org/ONLINE/DBSS/litalertss.html

NLDB Newsletter Database

–new search and display fields available

Two new search fields are available for Geographic Terms (/GT or /GEO). Geographic terms are displayable in GT. In addition, one new display field, Time Period (TIP), is also available. For example:

```
TIP 2003 AD
CT  BUSN Any type of business; OIL Petroleum, Energy
    Resources and Mining; Petroleum products -
    Production data; Petroleum products -
    International trade; Petroleum products - 2003 AD
GT  Mexico
```

Information that is displayed in TIP is searchable in the Basic Index (/BI).

The revised NLDB Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/nldbss.html

PATDPAFULL –added to an additional database cluster

PATDPAFULL has been added to an additional database cluster, FULLTEXT.

A complete listing of database clusters is available at:

www.cas.org/ONLINE/CATALOG/CLUSTERS/cover.html

The PATDPAFULL Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/patdpafullss.html

PCTFULL

WIPO/PCT Patents Full-Text

–added to an additional database cluster

PCTFULL has been added to an additional database cluster, FULLTEXT.

A complete listing of database clusters is available at:

www.cas.org/ONLINE/CATALOG/CLUSTERS/cover.html

The PCTFULL Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/pctfullss.html

PROMT

Predicasts Overview of Markets and Technology

–new display field available

One new display field, Time Period (TIP), is available in PROMT. A single year is displayable in this field. For example:

TIP 2003 AD

The information is searchable in the Basic Index (/BI).

The revised PROMT Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/promtss.html

PROUSDDR

Drug Data Report

–new pharmaceutical database available; added to database clusters; one free connect hour, per account, in June 2004

A new pharmaceutical database, Drug Data Report (PROUSDDR), is now available on STN. Produced by Prous Science, it contains continuously updated information on:

- More than 160,000 bioactive compounds reported in the print journal *Drug Data Report* from June 1988 to the present
- Products registered or launched from 1980 to the present

Using PROUSDDR provides you with access to the latest chemical structures that are marking the future direction of medicinal chemistry and therapeutics.

Information in PROUSDDR is derived from:

- The most recent patent literature from 11 different patent sources, i.e., BE, CA, CH, DE, EP, ES, FR, GB, JP, US, WO, reflecting research activity throughout the world
- Over 1,500 journals
- Abstracts and proceedings from over 300 congresses and symposia
- Manufacturer's communications for over 1,200 companies

The implementation of PROUSDDR on STN provides you with unique value, including:

- The ability to link to related information in PROUSDDR or SYNTHLINE in the Other Source (/OS) field from STN Express with *Discover!*

SYNTHLINE, also produced by Prous Science, contains synthesis information. The related references are identified by an accession number in /OS. Clicking on the accession number links you directly to the PROUSDDR or SYNTHLINE record.

- Availability of CAS Registry Number crossover.
- Availability of chemical structure images.

When using STN[®] on the WebSM, structures are viewable online when displaying a record. When using STN Express with *Discover!*, the structure images are captured in the session transcript, if this feature is turned on, and displayed in the record.

PROUSDDR records can contain:

- Brand name information
- CAS Registry Numbers
- Chemical names
- Chemical structures
- Classification Codes
- Drug names
- Extensive references to literature and patents
- Generic names
- Highest development phase
- Licensees
- Links to other PROUSDDR records, and to SYNTHLINE
- Mechanisms of action
- Molecular formula
- Originator
- Patent information
- Physical property data

PROUSDDR is updated monthly, and current-awareness alerts (SDIs) are available monthly.

PROUSDDR participates in the STN Information Keep & Share Program.

For pricing information, see HELP COST in the database.

PROUSDDR has also been added to the BIOSCIENCE, CASRNS, HPATENTS, PATENTS, and PHARMACOLOGY database clusters.

A complete listing of database clusters is available at:

www.cas.org/ONLINE/CATALOG/CLUSTERS/cover.html

Explore PROUSDDR with one free connect hour, per account, in June 2004. The connect-hour charge will be automatically deducted from your STN invoice. Standard DISPLAY, PRINT, and telecommunication charges still apply.

The PROUSDDR Database Summary Sheet is included with this issue of *STNews* and is available at:

www.cas.org/ONLINE/DBSS/prouddr.html

PS

Pharmaceutical Substances –new pharmaceutical database available; added to database clusters

A new pharmaceutical database, Pharmaceutical Substances (PS), is available on STN. PS is produced by Georg Thieme Verlag, Stuttgart, Germany, and is a substance-based, structure-searchable database containing essential substance information, trade data, and preparation methods for active pharmaceutical agents of significance currently on the market. To be indexed, compounds need the approval of the U.S. Food and Drug Administration or to be judged to have great commercial potential.

For indexed pharmaceutical substances, PS records contain:

- ATC Code
- Chemical name
- Citations
- Derivative information
- EINECS Number
- Formulation
- Lethal dose
- Molecular formula

- Overview of intermediates from the compounds preparation
- Substance class
- Therapeutic use
- Trade name
- Vendor

Starting materials, intermediates, and products of reaction schemes are all structure searchable. Reactants and products of a reaction step can be searched with one structure query. The preparations can be displayed as TIFF images.

The database is in English, and corresponds to the printed *Pharmaceutical Substances – Synthesis, Patents, Applications*.

Simultaneous left and right truncation is available in the Chemical Name Segment (/CNS) field, as well as the Basic Index (/BI).

PS contains records for compounds launched from 1957 to the present and covers over 2,300 pharmaceutical substances and approximately 8,200 reaction schemes. It is updated twice a year, and current-awareness alerts (SDIs) are not available.

PS participates in the STN Information Keep & Share Program.

For pricing information, enter HELP COST in the database.

PS has also been added to the CASRNS, COMPANIES, CORPSource, HPATENTS, PATENTS, PHARMACOLOGY, REACTION, and STRUCTURE database clusters.

A complete listing of database clusters is available at:

www.cas.org/ONLINE/CATALOG/CLUSTERS/cover.html

The PS Database Summary Sheet is included with this issue of *STNews* and is available at:

www.cas.org/ONLINE/DBSS/psss.html

RAPRA

–new monthly current-awareness alert (SDI) frequency

A new monthly current-awareness alert (SDI) frequency is now available in RAPRA. Current-awareness alerts are now available every update (every two weeks) and monthly. Every update is the default.

For pricing information, enter HELP COST in the database.

The revised RAPRA Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/raprass.html

REGISTRY/ZREGISTRY

–polymer links completed for backfile

Polymer links, accessible via POLYLINK, are now complete for the last six polymer classes:

- Polyamines
- Polyethers
- Polyphenyls
- Polyphosphazenes
- Double strand polymers
- Manually registered polymers

Including 24 previously completed polymer classes, polymer links are now complete for 30 polymer classes.

For more details about POLYLINK, refer to STNote No. 30, *Enhanced Polymer Searching in CAS Files*, available at:

www.cas.org/ONLINE/STN/STNOTES/stnotes30.pdf

The REGISTRY/ZREGISTRY Database Summary Sheets are available at:

www.cas.org/ONLINE/DBSS/registryss.html
www.cas.org/ONLINE/DBSS/zregistryss.html

WPIDS/WPINDEX/WPIX

Derwent World Patents Index®

–fragmentation code enhancements in Derwent World Patents Index backfile

B, C, and E fragmentation codes are a detailed indexing system applied to pharmaceuticals, agrochemicals, and general chemicals in WPIDS/WPINDEX/WPIX. These codes provide you with comprehensive retrieval of chemical patents. You can now search the codes back to the commencement of the databases using a single non-time-ranged strategy.

The revised WPIDS/WPINDEX/WPIX Database Summary Sheets are available at:

www.cas.org/ONLINE/DBSS/wpids.html
www.cas.org/ONLINE/DBSS/wpidex.html
www.cas.org/ONLINE/DBSS/wpix.html

WPIFV

Derwent World Patents Index First ViewSM

–added to database clusters

WPIFV has been added to the AEROTECH, ALLBIB, AUTHORS, BIOSCIENCE, CORPSOURCE, ENGINEERING, HPATENTS, PATENTS, and POLYMERS database clusters.

A complete listing of database clusters is available at:

www.cas.org/ONLINE/CATALOG/CLUSTERS/cover.html

The WPIFV Database Summary Sheet is included with this issue of *STNews* and is available at:

www.cas.org/ONLINE/DBSS/wpifv.html



CAS contacts

CAS Customer Care:

Phone: 800-753-4227 (North America)
614-447-3700 (worldwide)

CAS:

Phone: 800-848-6538 (North America)
614-447-3600 (worldwide)

E-mail:

help@cas.org

CAS web page:

www.cas.org

STN web page:

www.cas.org/stn.html

Information Professionals:

www.cas.org/infopro/

Patent Information on STN:

www.cas.org/patents/

STNews:

www.cas.org/STNEWS/stnewscover.html

STNews back issues:

www.cas.org/STNEWS/backissue.html

Tracking world health events and biomedical advances with EMBASE and EMBAL

EMTREE, The Life Science Thesaurus, helps you maximize the precision and comprehensiveness of search results. EMTREE contains more than 46,000 drug, biomedical, and biological terms, plus over 190,000 synonyms for alternate drug and disease names, making it an effective tool even if you are a new or occasional searcher.

Last year's SARS outbreak and more recent concerns about avian influenza illustrate how interconnected today's society finds itself. EMBASE and EMBAL on STN can be used to track the progress of these global health events as they evolve.

EMBASE: a bibliographic database of international drug and biomedical journals

Research publications concerning global health threats appear in a variety of journals worldwide. EMBASE covers more than 4,600 international drug and biomedical journals published in 70 countries across Europe, Asia, North America, South America, and Africa, as well as Australia and New Zealand.

EMBASE covers:

- Alternative medicine
- Basic biological science relevant to human medicine
- Biochemistry

- Biomedical engineering and medical instrumentation
- Biotechnology
- Clinical and experimental medicine
- Drugs
- Environmental science
- Forensic science
- Hospital management
- Industrial medicine
- Medical devices
- Occupational hygiene
- Pediatrics
- Pharmacoeconomics
- Pharmacology and drug therapy
- Pharmacy
- Pollution control
- Public health
- Toxicology

It is updated weekly, making EMBASE a valuable tool for tracking state-of-the-art published scientific literature on global health events as well as other biomedical and drug topics. Fully indexed article records are usually searchable within 2 weeks after receipt of the original publications.

Records contain:

- Bibliographic information
- Controlled terms, e.g., EMTREE drug and medical descriptors, EMTREE codes
- Drug trade names and their manufacturers
- Medical device trade names and manufacturers for records from 1998 to the present

In addition, approximately 80% of the records include abstracts, and many include CAS Registry Numbers.

Searching EMBAL for the most current references

EMBAL (EMBASE Alert) is the current-awareness companion database for EMBASE, providing early access to bibliographic data and the abstracts for references. A rolling 8-week period of data makes up the content of EMBAL.

Records contain bibliographic information, abstracts, and author keywords.

The database is updated daily, adding approximately 1,000-2,000 records.

Example: Find current references on human risks associated with avian influenza.

```
=> FIL EMBASE EMBAL

=> SET MSTEPS ON

SET COMMAND COMPLETED

=> S (BIRD OR AVIAN) (S) (FLU OR INFLUENZA) AND 2004/PY

L1          69 FILE EMBASE
L2          24 FILE EMBAL

TOTAL FOR ALL FILES
L3          93 (BIRD OR AVIAN) (S) (FLU OR INFLUENZA)
           AND 2004/PY

=> SET DUPORDER FIL

SET COMMAND COMPLETED

=> DUP REM L3

PROCESSING COMPLETED FOR L3
L4          80 DUP REM L3 (13 DUPLICATES REMOVED)
           ANSWERS '1-69' FROM FILE EMBASE
           ANSWERS '70-80' FROM FILE EMBAL

=> S L4 AND (HUMAN OR CROSS SPECIES)

L5          69 S L4
L6          55 FILE EMBASE
L7          11 S L4
L8          2 FILE EMBAL

TOTAL FOR ALL FILES
L9          57 L4 AND (HUMAN OR CROSS SPECIES)

=> D TI 1 FROM EACH

L9 ANSWER 1 OF 57 EMBASE COPYRIGHT 2004 ELSEVIER INC.
   ALL RIGHTS RESERVED. on STN
TI Avian influenza and influenza pandemics.

L9 ANSWER 56 OF 57 EMBAL COPYRIGHT 2004 ELSEVIER INC.
   ALL RIGHTS RESERVED. on STN
TI [Avian flu, what are the risks of inter-human
   transmission?].
   LA GRIPPE AVIAIRE, QUEL RISQUE DE TRANSMISSION
   INTERHUMAINE?.
```

Include EMBAL in a search for current references.

SET MSTEPS ON to create separate L-numbers for searching each database.

Use a variety of free-text search terms.

Remove duplicates.

Display a record from each database.

Example: Find references on drug therapy of macular degeneration.

Enter EMBASE to search indexed references.

EXPAND on a term in the Controlled Term (/CT) field. 0 postings indicates that this is not a valid CT term. The AT column shows the number of Associated Terms in the thesaurus.

To find all associated terms for E3, EXPAND on E3 followed by +ALL. E2 displays the preferred (USE) term and the number of references for the USE term.

EXPAND on the preferred term to view it with its qualifiers in alphabetical order.

Search the preferred term with one of its qualifiers.

Display some answers.

```
=> FILE EMBASE
=> E MACULAR DEGENERATION/CT 5

E#  FREQUENCY  AT  TERM
--  -
E1      1      --  MACULAR CORNEAL DYSTROPHY: DI,
                        DIAGNOSIS/CT
E2      3      --  MACULAR CORNEAL DYSTROPHY: ET,
                        ETIOLOGY/CT
E3      0      2  --> MACULAR DEGENERATION/CT
E4      0      2  MACULAR DEGENERATION, DISCIFORM/CT
E5      0      2  MACULAR DISCIFORM DEGENERATION/CT

=> E E3+ALL

E1      0      --> macular degeneration/CT
E2     2187  USE  retina macula degeneration/CT
*****  END  *****

=> E E2

E#  FREQUENCY  AT  TERM
--  -
E1     23      --  RETINA MACULA CYSTOID EDEMA: TH,
                        THERAPY/CT
E2      0      2  RETINA MACULA DEFECT/CT
E3     2187  52  --> RETINA MACULA DEGENERATION/CT
E4      0      2  RETINA MACULA DEGENERATION,
                        DISCIFORM/CT
E5     96      --  RETINA MACULA DEGENERATION: CN,
                        CONGENITAL DISORDER/CT
E6     74      --  RETINA MACULA DEGENERATION: CO,
                        COMPLICATION/CT
E7     362      --  RETINA MACULA DEGENERATION: DI,
                        DIAGNOSIS/CT
E8      9      --  RETINA MACULA DEGENERATION: DM,
                        DISEASE MANAGEMENT/CT
E9     121      --  RETINA MACULA DEGENERATION: DT,
                        DRUG THERAPY/CT
E10     72      --  RETINA MACULA DEGENERATION: EP,
                        EPIDEMIOLOGY/CT
E11    299      --  RETINA MACULA DEGENERATION: ET,
                        ETIOLOGY/CT
E12     44      --  RETINA MACULA DEGENERATION: PC,
                        PREVENTION/CT

=> S E9

L1      121  "RETINA MACULA DEGENERATION: DT, DRUG
                        THERAPY"/CT

=> D TI 1-2

L1  ANSWER 1 OF 121  EMBASE  COPYRIGHT 2004  ELSEVIER INC.
    ALL RIGHTS RESERVED.  on STN
TI  RNAi and siRNA.

L1  ANSWER 2 OF 121  EMBASE  COPYRIGHT 2004  ELSEVIER INC.
    ALL RIGHTS RESERVED.  on STN
TI  Gateways to Clinical Trials.
```

Using EMTREE indexing for precise searching

EMTREE, The Life Science Thesaurus, helps you maximize the precision and comprehensiveness of search results. EMTREE contains more than 46,000 drug, biomedical, and biological terms, plus over 190,000 synonyms for alternate drug and disease names, making it an effective tool even if you are a new or occasional searcher.

Access EMTREE in the Controlled Term (/CT) field using the STN thesaurus feature with the EXPAND and SEARCH commands.

When using EMBASE, you can also *explode* terms to automatically retrieve even more specific terms. For example, the geographic name *Asia* can be exploded to retrieve more than 50 specific country names in one simple step.

Additional resources

Enter HELP THESAURUS or HELP RCODE at an arrow prompt in EMBASE for information on using the thesaurus in the database.

Why use POLYLINK?



Q: When should I use the POLYLINK command?

A: Use the POLYLINK command for comprehensive searching of condensation polymers.

With POLYLINK you do not have to know whether a polymer is structured, registered, and indexed based on the structural repeating unit (SRU) or its monomers. For a given polymer in REGISTRY/ZREGISTRY, CAS polymer experts have linked its SRU-based and monomer-based representations. The POLYLINK command takes advantage of this linking and retrieves the SRU and associated monomer-based CAS Registry Numbers.

Example: Find references on the polyester named poly(ethylene terephthalate).

```

=> FILE REGISTRY
=> S "POLY(ETHYLENE TEREPHTHALATE)"/CN
L1      1 "POLY(ETHYLENE TEREPHTHALATE)"/CN
=> D

L1      ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2004 ACS on STN
RN      25038-59-9  REGISTRY
          .
          .
          .
CN      Poly(ethylene terephthalate)
          .
          .
          .
MF      (C10 H8 O4)n
CI      PMS, COM
PCT     Polyester
    
```

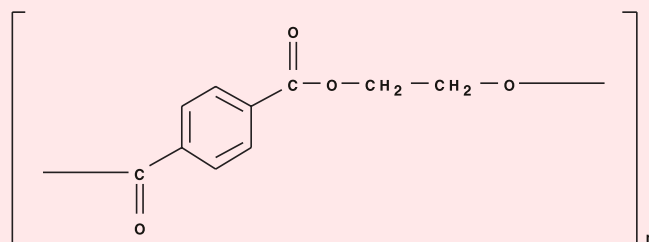
Enter REGISTRY.

Search the name in the Chemical Name (/CN) field.

Display the substance record.

This CAS Registry Number is associated with an SRU-based structure.

****RELATED POLYMERS AVAILABLE WITH POLYLINK****



Polymer links completed for the backfile

Polymer links are created by CAS polymer experts as new documents are indexed for REGISTRY/ZREGISTRY. In addition, polymer links have been completed for the backfile.

Polymer links are now available for all 30 classes of polymers:

- Polyamic acids
- Polyamides
- Polyamines
- Polyanhydrides
- Polyazomethines
- Polybenzimidazoles
- Polybenzoxazoles
- Polycarbodiimides
- Polycarbonates
- Polycyanurates
- Polyesters
- Polyethers
- Polyhydrazides
- Polyimides
- Polyionenes
- Polyisocyanurates
- Polyketones
- Polyothers
- Polyphenyls
- Polyphosphazenes
- Polyquinoxalines
- Polysulfides
- Polysulfonamides
- Polysulfones
- Polythioesters
- Polythioethers
- Polyureas
- Polyurethanes
- Double stranded polymers
- Manually registered polymers

POLYLINK retrieves 36 additional CAS Registry Numbers for this polyester.

Additional REGISTRY records include monomer-based structures.

Enter CAplus.

Additional references are retrieved in CAplus by searching the answer set from POLYLINK (L2).

An example of an additional reference.

```

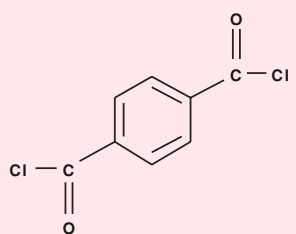
=> POLYLINK L1
L2          37 POLYLINK L1

=> D SCAN

L2  37 ANSWERS  REGISTRY  COPYRIGHT 2004 ACS on STN
IN  1,4-Benzenedicarbonyl dichloride, polymer with
    1,2-ethanediol (9CI)
MF  (C8 H4 Cl2 O2 . C2 H6 O2)x
CI  PMS, COM

**RELATED POLYMERS AVAILABLE WITH POLYLINK**

CM  1
HO-CH2-CH2-OH

CM  2


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> FILE CAPLUS

=> S L1
L3          66311 L1

=> S L2 NOT L3
           66405 L2
L4          94 L2 NOT L3

=> D SCAN

L4  94 ANSWERS  CAPLUS  COPYRIGHT 2004 ACS on STN
IC  ICM C08G063-78
CC  35-5 (Chemistry of Synthetic High Polymers)
TI  Preparation of polyesters with improved
    polymerization rate
    :
    :
IT  52397-17-8P
    RL: PREP (Preparation)
    (preparation of, in the presence of phosphorus
    and magnesium compds., with improved
    polymerization rate)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

```

Polymer links are created by CAS polymer experts as new documents are indexed for REGISTRY/ZREGISTRY. In addition, polymer links have been completed for the backfile.

Using POLYLINK

You can use the POLYLINK command on:

- An individual CAS Registry Number
- An L-number for a REGISTRY/ZREGISTRY answer set
- An E-number containing a CAS Registry Number
- Any ANALYZE list of CAS Registry Numbers

Cost

A flat fee is incurred for each use of the POLYLINK command. Enter HELP COST in REGISTRY/ZREGISTRY for pricing details.

Additional resources

For additional information on the POLYLINK command, including examples, refer to STNote No. 30, *Enhanced Polymer Searching in CAS Files*, available at:

www.cas.org/ONLINE/STN/STNOTES/stnotes30.pdf

Helpful search fields for navigating BEILSTEIN

BEILSTEIN is a large and diversified organic chemistry database, with comprehensive reaction information and more than 130 different chemical, physical, ecological, and pharmacological properties of chemical substances. You may think that working in BEILSTEIN is a challenge, but effective utilization of BEILSTEIN's variety of data can be successfully accomplished by means of some useful search techniques.

The table on page 17 outlines the indexes that may help you to reach your target without detailed knowledge of the database structure or search field code.

Using BI – The Main Basic Index

BEILSTEIN's Main Basic Index contains input from the most important fields relating to substance documents. It covers all substance data except for reactions and data included in the Basic Index for Pharmacological and Ecological Data (BIPED).

Specifically, the Basic Index contains:

- CAS Registry Numbers
- Fields containing chemical names
- Fields containing BEILSTEIN Registry Numbers
- Keywords
- Molecular Formulas

Example: Use BEILSTEIN's main Basic Index to search for a compound, lipoic acid, by name and molecular formula.

```
=> SET PLURALS ON

=> S LIPOIC ACID AND C8H14O2S2
      17 LIPOIC
      2884800 ACID
      542 ACIDS
      2885100 ACID
              (ACID OR ACIDS)
      16 LIPOIC ACID
              (LIPOIC(W)ACID)
      203 C8H14O2S2
L1      9 LIPOIC ACID AND C8H14O2S2

=> D 1-2

L1 ANSWER 1 OF 9 BEILSTEIN COPYRIGHT 2004 BEILSTEIN MDL
on STN

Beilstein Records (BRN):      9310738
Chemical Name (CN):          eicosapentaenoic
                              acid*lipoic acid
Autonom Name (AUN):          eicosa-5,8,11,14,17-
                              pentaenoic acid; compound
                              with 5-<1,2>dithiolan-3-
                              yl-pentanoic acid
Fragm. Molec. Formula (FMF): C20 H30 O2 , C8 H14 O2 S2
Molecular Formula (MF):      C20 H30 O2 . C8 H14 O2 S2
                              :
                              :

L1 ANSWER 2 OF 9 BEILSTEIN COPYRIGHT 2004 BEILSTEIN MDL
on STN

Beilstein Records (BRN):      9185111
Chemical Name (CN):          lipoic acid*b-
                              cyclodextrin
Fragm. Molec. Formula (FMF): C42 H70 O35 , C8 H14 O2 S2
Molecular Formula (MF):      C42 H70 O35 . C8 H14 O2 S2
                              :
                              :
```

Enter BEILSTEIN.

SET PLURALS ON.

Search the name and molecular formula in the main Basic Index.

Display some answers.

The search retrieved all stereoisomers of lipoic acid as well as additional substances with isotopic labeling.

Index	BEILSTEIN content
Basic Index, consisting of three separate indexes:	
Main Basic Index (/BI)	Data from the most important fields relating to substance documents
Basic Index for Reactions (/BIRX)	Data from the most important fields relating to reaction documents
Basic Index for Pharmacological and Ecological Data (/BIPED)	Data from all pharmacological and ecological data fields
Field Availability (/FA)	Overview of the kind of information available
Property Hierarchy (/PH)	Detailed list of all physical properties available

Example: Use BIRX to find information on the reactions of phenylfluorenes.

Expand on the term phenylfluoren in BIRX to verify its presence.

Search the term phenylfluoren? to retrieve additional related records.

Use DISPLAY BROWSE to view answers.

*Use *HIT to change the default display in D BRO.*

```

=> E PHENYLFLUOREN/BIRX 5
E1          9      PHENYLFLUORANTHENE/BIRX
E2          1      PHENYLFLUORCARBONYLDISULFON/BIRX
E3         589 --> PHENYLFLUOREN/BIRX
E4          97      PHENYLFLUORENE/BIRX
E5          1      PHENYLFLUORENIDE/BIRX

=> S PHENYLFLUOREN?/BIRX
L2          954      PHENYLFLUOREN?/BIRX

=> D BRO
: *HIT
: 1

L2 ANSWER 1 OF 954 BEILSTEIN COPYRIGHT 2004 BEILSTEIN MDL
on STN

Reaction:
RX
  Reaction ID (.ID):          9442448
  Reactant BRN (.RBRN):      8938884, 969224
  Reactant (.RCT):          3-p-methoxyphenyl-
                             2.alpha.-N-9-
                             phenylfluoren-9-
                             yl-amino-
                             1-propanal,
                             ethynylmagnesium bromide
  Product BRN (.PBRN):      9519742
  Product (.PRO):          5-(4-methoxy-phenyl)-4-
                             (9-phenyl-9H-fluoren-9-
                             yl-amino)-pent-1-yn-3-ol

  No. of React. Details (.NVAR): 1

: END
  
```

Using BIRX – The Basic Index for Reactions

The special Basic Index for Reactions (BIRX) contains reaction data, specifically:

- BEILSTEIN Registry Numbers of reactants and products
- Fields with chemical names (products, reactants, reagents, catalysts, and solvents)
- Text fields (Subject Studies, Type, Other Conditions, Classification, and Notes)

Using BIPED – The Basic Index for Pharmacological and Ecological Data

BIPED may be used for a comprehensive search for all available pharmacological and ecological content. The Pharmacological and Ecological Data indexes have a detailed format that supports sophisticated search strategies. However, by using BIPED, occasional searchers need not be familiar with the data fields or the indexing strategy to obtain good search results.

Example: Use BIPED to carry out a comprehensive search for compounds with a certain pharmacological property, e.g., antipsychotic.

```
=> E ANTIPSYCHOTIC/BIPED 5
E1      22      ANTIPSORIASIS/BIPED
E2      5       ANTIPSORIATIC/BIPED
E3     433 --> ANTIPSYCHOTIC/BIPED
E4      52      ANTIPTOTIC/BIPED
E5      7       ANTIPTRYPANOSOMIASIS/BIPED

=> S E3
L1      433 ANTIPSYCHOTIC/BIPED

=> D HIT 433

L14 ANSWER 433 OF 433 BEILSTEIN COPYRIGHT 2004 BEILSTEIN MDL
    on STN

Pharmacological Data:
PHARM
    Note(s) (.COM):  antipsychotic activity, <3H>spiperone
                    binding in calf striatal proteins
                    IC50=0.89 .my.M

Reference(s):
1. Tupper, David E.; Pullar, Ian A.; Clemens, James A.;
   Fairhurst, John; Risius, Francesca C.; et al.,
   J.Med.Chem., CODEN: JMCMAR, 36(7), <1993>, 912-918;
   BABS-5811705
```

Expand on the term antipsychotic in BIPED to verify its presence.

Search the E-number to retrieve all available information.

In pre-1994 entries, all available pharmacological information is stored only in the Note(s) (/PHARM.COM) field.

Using FA – The Field Availability Index

The Field Availability index gives you an overview of the kind of information stored in BEILSTEIN. Indexed in FA are names and codes for more than 130 physical and chemical properties and pharmacological and ecological data present in the database.

Use FA to find out if a particular property is available in the database or to limit the answer set to compounds with data on that physical property.

Example: Search for peroxides with known decomposition points.

```
=> S PEROXIDE/CNS
L1      1497 PEROXIDE/CNS

=> E DECOMPOSITION/FA 5
E1      155     CV/FA
E2     63842    DE/FA
E3      0 --> DECOMPOSITION/FA
E4     17508    DECOMPOSITION POINT/FA
E5     181485   DEN/FA

=> S L1 AND E4
        17508 DECOMPOSITION POINT/FA
L2      40 L1 AND DECOMPOSITION POINT/FA

=> D HIT

L2 ANSWER 1 OF 40 BEILSTEIN COPYRIGHT 2004 BEILSTEIN MDL
    on STN

    Chemical Name (CN):  bis(tert-
                        butyldiphenylmethyl)peroxide

Decomposition Point:
Value      | Solvent  | Ref.
(DP)       | (.SOL)   |
(Cel)      |          |
=====+=====+=====
115        | hexane   | 1

Reference(s):
1. Zarkadis, Antonios K.; Neumann, Wilhelm P.; Marx, Rainer;
   Uzick, Wolfram, Chem.Ber., CODEN: CHBEAM, 118(2), <1985>,
   450-456; BABS-5732056
```

Search for peroxides in the Chemical Name Segment (/CNS) field.

The physical property, Decomposition Point, is indexed in the Field Availability (/FA) field.

Limit answer set L1 to compounds for which information on the Decomposition Point is available.

Display an answer.

Example: Find information on glass transition temperatures.

EXPAND in PH to check if information on a physical effect is available.

```
=> E GLASS TRANSITION TEMPERATURE/PH 5
E1      59784      GEO/PH
E2      585        GIBBS FREE ENERGY/PH
E3      1247 --> GLASS TRANSITION TEMPERATURE/PH
E4      220        GLASS TRANSITION TEMPERATURE(S)/PH
E5      278        GP/PH

=> S E3
L1      1247 "GLASS TRANSITION TEMPERATURE"/PH

=> D HIT

L1      ANSWER 1 OF 1247 BEILSTEIN COPYRIGHT 2004 BEILSTEIN
      MDL on STN

Crystal Phase:
CRYPH
Description (.KW):   Glass transition temperature
Reference(s):
1. Former, Carsten; Becker, Stefan; Grimsdale,
   Andrew C.; Muellen, Klaus, Macromolecules,
   CODEN: MAMOBX, 35(5), <2002>, 1576 - 1582;
   BABS-6395457

=> S E4
L2      220 "GLASS TRANSITION TEMPERATURE(S)"/PH

=> D HIT

L2      ANSWER 1 OF 220 BEILSTEIN COPYRIGHT 2004 BEILSTEIN
      MDL on STN

Liquid/Solid System (MCS):
LSSM
Description (.KW):   Glass transition temperature(s)
Partner (.PA):       SiOx/Si
Reference(s):
1. Pham, Joseph Q.; Green, Peter F., Macromolecules,
   CODEN: MAMOBX, 36(5), <2003>, 1665 - 1669;
   BABS-6399131
```

Glass Transition Temperature is a controlled term in the property, Crystal Phase, for single-component systems.

Glass Transition Temperature(s) is a controlled term in the property, Liquid/Solid System, for multi-component systems.

Using PH – The Property Hierarchy Index

About 90 different types of physical properties, for single- and multicomponent systems, are indexed in BEILSTEIN. Some indexes contain numeric data for a physical property, e.g., Melting Point (MP). Other indexes contain descriptive data that summarize several physical properties given as keywords, e.g., "Electrical Conductivity" or "Photovoltaic Effect" in the Electrical Data (ELE) field. This means that many more than just 90 physical properties are available in BEILSTEIN.

Use the Property Hierarchy index to check whether information on a physical property is available in BEILSTEIN or not. The PH index includes names and field codes for all physical property fields as well as all available keywords.

Additional resources

For more information on BEILSTEIN, including search tips, and examples, refer to the *Searching BEILSTEIN on STN* Quick Reference Card, available at:

www.stn-international.com/training_center/chemistry/beilstein/all_beilstein.pdf



What's this? Options on the STN Easy Answer Page

This is the second in a series of articles that describe helpful tools within STN Easy. Watch for additional articles in future issues of STNews.

Working with STN Easy answer sets

STN Easy gives you many options for working with answer sets. For example, you can:

- View your search question in command-line format to see exactly how STN derived your answer set
- Save your search terms and recreate your answer set at a later time
- Jump to answers in a specific database
- Refine your search question to reduce the number of answers
- Show answers duplicated among databases
- Sort your answers in best match order

Additional resources

Full details about all of these features are available in the STN Easy Help files:

stneasy.cas.org/html/english/helps/TOC.htm

In addition, quick tips, examples, and information about STN Easy databases can be found within the **Help** section on the left-hand Navigation Frame.

View your search question

Click the **Search Question** link to see how STN Easy converted the terms you entered into a format that can be understood by the powerful STN search engine. With the help of your information professional, you can use this information to learn to search more effectively with STN Easy.

STN Easy Search Question

[Return to Results](#)

Your search question is expressed in the STN command language as:

```
=> FILE CAPLUS
=> SEARCH "CATNIP OIL"/AN,BI,DI
=> FILE INSPEC
=> SEARCH "CATNIP OIL"/AN,BI,DI
=> FILE JICST-EPLUS
=> SEARCH "CATNIP OIL"/AN,BI
⋮
```

Save your search terms

The **Save** button allows you to:

- Save your search terms for later use with the Save Search Terms for Recall feature
- Save your entire search strategy for later use with the Defined Search feature

More information about the Save feature is available in the STN Easystreet article in the March/April 2003 issue of *STNews*.

Jump to answers in a specific database

By default, STN Easy initially displays the first 10 answers from the first database that was searched.

To quickly jump to answers in a specific database:

1. If you used Easy Search, click **Show Answers By Database** to show a breakdown of the answers by database.
2. Click the name of the database to jump to.

26 answers in [CAplus](#)
0 answers in INSPEC
0 answers in JICST-EPLUS
0 answers in NTIS
1 answers in [PASCAL](#)
3 answers in [SCISEARCH](#)
30 total hits
[\[Hide Database Info.\]](#)

Refine your search question

If your search retrieved too many answers or many unwanted answers, use the **Refine** button to reduce the number of answers.

More information about the Refine feature is available in the STN Easystreet article in the January/February 2002 issue of *STNews*.

STN Easy Answer Page

Easy Search
Advanced Search
CAS Number Search
Patent Lookup
Defined Searches

Review Saved Items

+ Help
Session Cost
Price List
Preferences
Search History
+ Cust. Support
+ STN Easy for Intranets
Comments
Log Off

Results for Search Question: "catnip oil"

Save these search terms for future use

Total Hits: 30 Show Answers By Database

Too many answers? Refine Your Search Show Duplicates

Titles from CPlus in Most Recent Order Best Match Order

Clear	Titles from CPlus in Most Recent Order	Best Match Order
<input type="checkbox"/> 1	Iridodial: enantiospecific synthesis and stereochemical assignment of the pheromone for the golden-eyed lacewing, <i>Chrysopa oculata</i> [\$4.25]	
<input type="checkbox"/> 2	Catnip essential oil as a barrier to subterranean termites (Isoptera: Rhinotermitidae) in the laboratory [\$4.25]	
<input type="checkbox"/> 3	Cognition enhancing agents containing nepetalactone [\$4.25]	
<input type="checkbox"/> 4	Study of the essential oil from lemon catnip (<i>Nepeta cataria</i> L. var. <i>citriodora</i>) in comparison with the oil from lemon balm (<i>Melissa officinalis</i> L.) [\$4.25]	
<input type="checkbox"/> 5	New essential fatty acid sources: seed oils of Dragon grass catnip (<i>Nepeta cataria</i> var. <i>citriodora</i> Balb.) [\$4.25]	
<input type="checkbox"/> 6	Catnip (<i>Nepeta cataria</i> L.) essential oil: analysis of chemical constituents, bacteriostatic and fungistatic properties [\$4.25]	
<input type="checkbox"/> 7	(4aS,7S,7aR)-Nepetalactam and (4aS,7S,7aR)-2-[(3R,4R,4aR,7S,7aR)-octahydro-4,7-dimethyl-1-oxocyclopenta[c]pyran-3-yl]nepetalactam. Nitrogen analogs of nepetalactone and nepetalic_psi-anhydride [\$4.25]	
<input type="checkbox"/> 8	Chemical composition of Melissa essential oil [\$4.25]	
<input type="checkbox"/> 9	Study of the essential oil of lemon-scented catnip grown on the Apsheron Peninsula [\$4.25]	
<input type="checkbox"/> 10	Behavioral and toxicological studies of cyclopentanoid monoterpenes from <i>Nepeta cataria</i> [\$4.25]	

[Page 1] [2] [3] [Next]

Display Selection Selected on all pages Display Format Standard Display Style STNEasy

Display Answers

Show duplicate answers

Sometimes a particular document appears in more than one database, and therefore, it occurs more than once in your answer set.

To identify the answers that appear in more than one database, click **Show Duplicates**. STN Easy displays a note after each duplicate answer that lists the databases in which the answer also appears.

For example:

<input type="checkbox"/> 2	Catnip essential oil as a barrier to subterranean termites (Isoptera: Rhinotermitidae) in the laboratory [\$4.25] [This answer is also in SCISEARCH]
----------------------------	---

Notes:

- Using Show Duplicates can help lower your display costs because it clearly identifies answers that you may have already displayed. Rather than display the answer again, you can use the Search History or your browser's **Back** button.
- Show Duplicates works for any answer set of 5,000 or less.
- Show Duplicates cannot be used in conjunction with Best Match Order (described in the next section). Using one after the other overrides the previous answer display.

Sort in best match order

Document answer sets are displayed by database and are initially sorted in reverse chronological order, i.e., the most recent documents are listed first.

To list documents in the order of how closely they match your search question, click **Best Match Order**. To return to reverse chronological order, click **Most Recent Order**.

For example:

Clear	Titles from CPlus in Best Match Order	Most Recent Order
<input type="checkbox"/> 1	Behavioral and toxicological studies of cyclopentanoid monoterpenes from <i>Nepeta cataria</i> [\$4.25]	
<input type="checkbox"/> 2	Catnip (<i>Nepeta cataria</i> L.) essential oil: analysis of chemical constituents, bacteriostatic and fungistatic properties [\$4.25]	

Notes:

- Other types of answer sets, e.g., chemical names, molecular formulas, can only be displayed in Most Recent Order.
- Best Match Order works for answer sets containing up to 10,000 answers.
- Best Match Order cannot be used in conjunction with Show Duplicates. Using one after the other overrides the previous answer display.

Searching for patents and journals citing patents

Have you ever found one or more patents and wanted to know what subsequent patents or journal articles have cited these "original" patents? With the powerful combination of databases and features on STN, this kind of patent citation searching is easy to do.

To find citing literature, follow these steps:

1. Conduct a search for patents on a topic of interest.
2. Make sure that your answers contain patent family information. Use a database with extensive patent family information, e.g., CAplus or WPINDEX. Alternatively, conduct an FSEARCH on a patent number or a set of patent numbers in various patent databases.
3. Enter the STN databases containing records with information on patents that have been cited. If you are interested in journal literature citing patents, make sure you include not only patent databases but also CAplus and SCISEARCH.

Major database	Cited patents included
DPCI	<ul style="list-style-type: none">• EP and WO from 1978 to the present• US from 1973 to the present• DE, JP, and GB from May 1994 to the present• Austria, Australia, Belgium, Canada, France, Netherlands, New Zealand, South Africa, Sweden, and Switzerland from May 1994-May 1997
CAplus	<ul style="list-style-type: none">• EP, WO, US, and DE from 1998 to the present in patents and non-patent literature• FR and GB from 2003 to the present in patents and non-patent literature

4. TRANSFER the patent numbers for all the patent family members and search them as cited patents in the Referenced Patent Number (/RPN) field.

The table above details the main databases with patent and literature examiner citations from major patent-issuing authorities.

The following databases on STN also contain patents cited in patent documents:

- EUROPATFULL
- FRANCEPAT
- IFIPAT/IFIUDB/IFICDB
- PATDPA/PATDPAFULL
- PATOSDE
- PATOSEP
- USPATFULL/USPAT2
- WPIDS/WPINDEX/WPIX
- WPIFV

In addition, SCISEARCH contains cited patents associated with the multi-disciplinary literature references covered by the database.

Patent Interchange

Example: Find patents and journal articles citing two key patents on the preparation of oxazole derivatives and their use as anti-inflammatory agents.



Conduct a search on a topic of interest in a database with extensive patent family information.

Display some answers.

Note the patent family members listed in the BIB format.

SET MSTEPS ON to generate separate L-numbers for each database in a multifile search.

```
=> FILE WPINDEX
      :
      :
=> D TI 1-2

L2 ANSWER 1 OF 2 WPINDEX COPYRIGHT 2004 THOMSON
   DERWENT on STN
TI Aryl-oxazole derivs - anti-inflammatory agents.

L2 ANSWER 2 OF 2 WPINDEX COPYRIGHT 2004 THOMSON
   DERWENT on STN
TI Substd oxazoles and thiazoles.

=> D BIB

L2 ANSWER 1 OF 2 WPINDEX COPYRIGHT 2004 THOMSON
   DERWENT on STN
AN 1966-34664F [00] WPINDEX Full-text
TI Aryl-oxazole derivs - anti-inflammatory agents.
DC B03
PA (AMHP) AMERICAN HOME PROD CORP
CYC 12
PI BE 713392      A 19681008 (196800)*
   AU 6836043    A      (196801)
   IE 6800592    A      (196801)
   NL 6805103    A      (196801)
   FR 1587052    A      (197027)
   GB 1226548    A      (197112)
   FR 8056       M      (197135)
   CA 904871     A      (197230)

      :
      :

      DE 1670005    C 19820609 (198224)
      DE 1795822    C 19820715 (198229)
      IT 1060876    B 19820930 (198308)
      ZA 6801726    A 19691118 (198345)
      DE 1670005    A 19700806 (198430)
      DE 1770177    A 19720316 (198538)
PRAI GB 1967-27382      19670614; GB 1967-37598
      19670816

=> SET MSTEPS ON
SET COMMAND COMPLETED
```

Patent Interchange

Additional resources

For an extensive discussion and examples of patent citation searching on STN, refer to the recorded CAS e-Seminar, *STN: Patent Citation Searching*, available at:

www.cas.org/training/eseminars/eventdes.html#patentcitation

For information about DPCI, refer to *A Guide to Using Derwent Patents Citation Index (DPCI) on STN*, available at:

www.stn-international.com/training/center/patents/dpciman.html

Information about the new cited and citing accession number fields in DPCI is available at:

www.stn-international.com/training/center/patents/nfdpci.pdf

```
=> FILE HCAPLUS DPCI SCISEARCH USPATFULL EUROPATFULL
FRANCEPAT PATDPA
```

```
=> TRANSFER L2 1- PN /RPN
```

```
L3          TRANSFER L2 1- PN :          45 TERMS
L4          3 FILE HCAPLUS
L5          34 FILE DPCI
L6          11 FILE SCISEARCH
L7          33 FILE USPATFULL
L8          5 FILE EUROPATFULL
L9          7 FILE FRANCEPAT
L10         9 FILE PATDPA
```

```
TOTAL FOR ALL FILES
L11         102 L3/RPN
```

```
=> DUP REM L11
```

```
DUPLICATE IS NOT AVAILABLE IN 'DPCI'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L11
L12         98 DUP REM L11 (4 DUPLICATES REMOVED)
           ANSWERS '1-3' FROM FILE HCAPLUS
           ANSWERS '4-37' FROM FILE DPCI
           ANSWERS '38-48' FROM FILE SCISEARCH
           ANSWERS '49-81' FROM FILE USPATFULL
           ANSWERS '82-86' FROM FILE EUROPATFULL
           ANSWERS '87-93' FROM FILE FRANCEPAT
           ANSWERS '94-98' FROM FILE PATDPA
```

```
=> D TI KWIC 1 5 38
```

```
L12 ANSWER 1 OF 98 HCAPLUS COPYRIGHT 2004 ACS on STN
TI   Process for the improved preparation of trisubstituted
     oxazoles by cyclocondensation of keto esters with
     thiourea
RE
(1) John Wyeth & Brother Limited; GB 1206403 A 1970 HCAPLUS
```

```
L12 ANSWER 5 OF 98 DPCI COPYRIGHT 2004 THOMSON DERWENT
on STN
TI   Oral dosage forms of salts of oxaprozin - which dissolve
     rapidly and are useful in treating pain and inflammation.
CDP CITED PATENTS          UPD: 20031213
```

```
-----
Cited by Examiner
-----
```

```
CITING PATENT  CAT  CITED PATENT  ACCNO
-----
```

```
US 6030643  A  GB 1206403  A  1966-32179F/00 <-
PA: (AMHP) AMERICAN HOME PROD CORP
```

```
L12 ANSWER 38 OF 98 SCISEARCH COPYRIGHT 2004 THOMSON ISI
on STN
TI   THE SYNTHESIS OF CARBAPENEM AND CARBACEPHEM DERIVATIVES
     BY A COMBINATION OF 4CC WITH THE CHEMISTRY OF OXAZOLES
     AND N-BOC-CARBONAMIDES
```

STN Patent Number	Year	Reference Inventor	Type	Reference
(RPN)	(RPY)	(RIN)		Patent Number
(RPN)	(RPY)	(RIN)		(RPN)
GB 1206403	1986	BROWN K	APPL	GB 1206403 <-

Enter the databases with cited patents.

TRANSFER the patent numbers for all the patent family members in the WPINDEX answer set. Search them as cited patent numbers (/RPN).

Remove duplicates.

Display some answers.

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Use the EXTEND option while conducting a structure search in any of the databases listed above to receive two L-number answer sets:

- Structures that passed screening (this is always larger than or equal in size to the second answer set)
- Structures that passed iteration

There is no charge associated with the use of EXTEND. To initiate it, use one of these options:

- Add EXTEND to a command line search
- Type SET EXTEND ON at an arrow prompt to apply EXTEND to all subsequent structure searches in an online session
- Type SET EXTEND ON PERM to permanently retain the ON setting

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www.cas.org/ONLINE/STN/STNOTES/stnotes33.pdf

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www.cas.org/exhibit.html

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Boston, Massachusetts

ACS Fall National Meeting

August 22-26
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LIASA Seventh Annual Conference

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Polokwane, Limpopo
Province

BioTech Forum

October 5-7
Copenhagen, Denmark

Frankfurt Book Fair

October 6-10
Frankfurt, Germany

ICIC 2004

October 17-20
Annecy, France

EPIDOS

October 25-27
Prague, Czech Republic

SERMACS

November 11-12
Research Triangle Park,
North Carolina

BioNorth '04

November 29-December 1
Ottawa, Ontario, Canada

Online Information 2004

November 30-December 2
London, United Kingdom

CPhI

December 7-9
Brussels, Belgium

STNews

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6/30 9am-12pm *Competitive Intelligence on STN*

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7/30 1pm-4pm *GENESEQ on STN*

Washington, DC

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7/27	1:00pm-2:00pm	<i>STN: Introduction to Polymers</i>
8/12	8:30am-9:30am	<i>STN: Introduction to Polymers</i>
8/31	1:00pm-2:00pm	<i>STN: Automating Your Search</i>
9/16	8:30am-9:30am	<i>STN: Automating Your Search</i>
10/26	1:00pm-2:00pm	<i>STN: Advanced MARPAT Techniques</i>
11/11	8:30am-9:30am	<i>STN: Advanced MARPAT Techniques</i>
11/30	1:00pm-2:00pm	<i>STN: Using the Cambridge Scientific Abstracts (CSA) Databases</i>
12/9	8:30am-9:30am	<i>STN: Using the Cambridge Scientific Abstracts (CSA) Databases</i>
12/14	1:00pm-2:00pm	<i>STN: Reaction Searching</i>

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in *Structure Searching*.

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