

## NAPRALERT

<b>Subject Coverage</b>	Natural product information including pharmacology, biological activity, taxonomic distribution, ethnomedicine, and chemistry of plant, microbial, and animal (including marine) extracts			
<b>File Type</b>	Bibliographic			
<b>Features</b>	<a href="#">CAS Registry Number® Identifiers</a>	<input checked="" type="checkbox"/>	Page Images	<input type="checkbox"/>
	Keep & Share	<input type="checkbox"/>	SLART	<input checked="" type="checkbox"/>
	Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>
<b>Record Content</b>	<ul style="list-style-type: none"> <li>• <b>NAPRALERT (NATural PRoducts ALERT)</b> contains bibliographic and factual data on natural products, including information on the pharmacology, biological activity, taxonomic distribution, chemistry of plant, microbial, and animal (including marine) extracts as well as ethnomedicine use records. In addition, the database contains information on the chemistry and pharmacology of secondary metabolites that are derived from natural sources and that have known structure.</li> <li>• The records in this file contain bibliographic information and factual data on natural products, including CAS Registry Numbers for many chemical constituents.</li> </ul>			
<b>File Size</b>	187,821 bibliographic records containing information for over 155,000 natural products and 181,895 organisms (2/2016)			
<b>Coverage</b>	<ul style="list-style-type: none"> <li>• 1650 to 2011</li> <li>• Approximately 50% of the file is from systematic survey of the literature from 1975 to 2011. The remaining records were obtained by selective retrospective indexing dating back to 1650</li> </ul>			
<b>Updates</b>	<ul style="list-style-type: none"> <li>• Occasional updates as information becomes available</li> <li>• Automatic current-awareness searches (SDIs) are not available</li> </ul>			
<b>Language</b>	English			
<b>Database Producer</b>	Program for Collaborative Research in the Pharmaceutical Sciences College of Pharmacy University of Illinois at Chicago Chicago, Illinois 60680 USA Phone: 312-996-2246 Fax: 312-996-7107			
<b>Sources</b>	<ul style="list-style-type: none"> <li>• Abstract services</li> <li>• Books</li> <li>• Government reports</li> <li>• Journals</li> <li>• Newsletters</li> <li>• Patents</li> </ul>			

**User Aids**

- Online Helps (HELP DIRECTORY lists all help messages available)
  - [NAPRALERT Classification Codes](#)
  - STNGUIDE
- 

**Cluster**

- AGRICULTURE
- ALLBIB
- AUTHORS
- CASRNS
- CHEMISTRY
- CORPSOURCE
- HEALTH
- MEDICINE
- PHARMACOLOGY
- SAFETY
- TOXICOLOGY

STN Database Cluster information:

<http://www.stn-international.com/en/customersupport/customer-support#cluster+%7C+subjects+%7C+features>

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## Search and Display Field Codes

Field that allows left truncation (/BI) is marked with an asterisk (\*).

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* <b>(1)</b> (contains single words from the title (TI), classification code (CC), class identifier (CI), chemical name (CN), geographic term (GT), organism (ORGN), and type of study (STY) fields, as well as CAS Registry Numbers and pharmacological data such as extract, dosage, and results)	None (or /BI)	S VOLATILE OIL? S ?PHENANTH?	CC, CI, CN, GT, ORGN, RN, STY, TI
Accession Number	/AN	S 92:17094/AN S 1998:1234/AN	AN
Author	/AU	S KIM I H/AU	AU
Character Count <b>(2)</b>	/CHC	S 190-250/CHC	CHC
Chemical Class Identifier	/CI	S ISOQUINOLINE ALKAL?/CI S ALKALOID?/CI	Not displayed
Chemical Name	/CN	S CHELIRUBIN?/CN	Not displayed
Classification Code <b>(3)</b> (code and text)	/CC	S ANALGESIC/CC S ANALGESIC ACTIVITY/CC	CC
Corporate Source <b>(3)</b>	/CS	S INST PHARM BIOL/CS S MUNICH/CS	CS
Document Number	/DN	S H06008/DN	DN
Document Type (code and text)	/DT (or /TC)	S J/DT S RESEARCH PAPER/DT	DT
Entry Date <b>(2)</b>	/ED	S ED>=20000100	Not displayed
Field Availability (code and text)	/FA	S RN/FA S GT/FA	Not displayed
Geographic Term (organism country)	/GT	S JAPAN/GT	Not displayed
Journal Title (Book Name)	/JT	S J NAT PROD/JT	JT, SO
Language (code and text)	/LA	S EN/LA S ENGLISH/LA	LA
Organism	/ORGN	S DICOT/ORGN S PAPAVER?/ORGN	ORGN
Other Source	/OS	S CA/OS S 75:72432/OS	OS
Publication Year <b>(2)</b>	/PY	S 1967/PY	PY, SO
Source (contains journal title, book name, patent information, collation, and publication year)	/SO	S J NAT PROD/SO S PATENT/SO	SO
Title	/TI	S ALKALOID#/TI	TI
Type of Study	/STY	S ISOLATION/STY	STY
Update Date <b>(2)</b>	/UP	S UP>20000100	Not displayed

- (1)** With left truncation, the input term must contain at least four characters.  
**(2)** Numeric search field that may be searched using numeric operators or ranges.  
**(3)** Search with implied (S) proximity is available in this field.

**NAPRALERT****DISPLAY and PRINT Formats**

Any combination of display formats listed below may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 TI CS. The fields are displayed in the order requested.

Hit term highlighting is available in all fields. Highlighting is ON as the default and must be on in order to use the QRD, HIT, KWIC, and OCC formats.

<b>Format</b>	<b>Content</b>	<b>Examples</b>
AN (1) AU CHC (1) CS DN DT (or TC) JT (2) LA OS PY (2) SO TI	Accession Number Author Character Count Corporate Source Document Number Document Type Journal Title/Book Name Language Other Source Publication Year Source Title	D L4 1-4 AN D L1 3 AU D L1 1-5 CHC D 1-3,7,8 CS D DN D L1 DT 3 D JT D LA 2 D L1 OS D PY D SO 3,4 D TI TOTAL
ALL  BIB CBIB IALL IBIB ORG  QRD  SAM SCAN (1,3)	AN, DN, TI, AU, CS, SO, DT, LA, OS, CHC, ORGN (Class, Family, Genus, Species, Subspecies, Organism part, Geographic area), Type of Study, Classification, Dosage Information, Qualitative results, Comment(s), Compound (Chemical Name, CAS Registry Number, Class Identifier) AN, DN, TI, AU, CS, SO, DT, LA, OS, CHC Compressed Bibliographic Data ALL, indented with text labels BIB, indented with text labels Organism Data (Class, Family, Genus, Species, Subspecies, Organism part, Geographic area) AN, DN, TI, AU, CS, SO, DT, LA, OS, CHC, plus query related data (QRD is the default) TI TI (random display without answer number)	D ALL 1  D BIB 1-3 D CBIB L1 1 D IALL 3 D IBIB D ORG L2 1-4  D QRD  D SAM 1-10 D SCAN
HIT KWIC OCC (1)	Fields containing hit terms Hit terms plus 20 words on either side (Key-Word-In-Context) Number of occurrences of hit terms and fields in which they occur	D HIT D KWIC NOH D OCC

(1) No online display fee for this format.

(2) Custom display only.

(3) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

## SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Accession Number	AN	Y	N
Author	AU	Y	Y
CAS Registry Number	RN	Y (2)	N
CAS Registry Numbers and Chemical Names	CHEM	Y (2)	N
Character Count	CHC	Y	Y
Chemical Name	CN	Y	N
	NAME	Y (2)	N
Class Identifier	CI	Y	N
Classification Code	CC	Y	N
Corporate Source	CS	Y	Y
Document Number	DN	Y	Y
Document Type	DT (or TC)	Y	Y
Geographic Term	GT	Y	N
Journal Title	JT	Y	Y
Language	LA	Y	Y
Occurrence Count of Hit Search Terms	OCC	N	Y
Organism Name	ORGN	Y	N
Other Source	OS	Y	Y
Publication Year	PY	Y	Y
Title	TI	Y (default)	Y
Type of Study	STY	Y	N

(1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT CN.

(2) Appends /BI to the terms created by SELECT.

## Sample Records

### DISPLAY IALL

ACCESSION NUMBER: 2012:7757 NAPRALERT  
DOCUMENT NUMBER: L33123  
TITLE: MUTAGENICITY OF FOUR NATURAL FLAVORS: CLOVE, CINNAMON, THYME  
AND ZATARIA MULTIFLORA BOISS  
AUTHOR: SHOEIBI S H; RAHIMIFARD N; PIROUZ B; YALFANI R; PAKZAD S R;  
MIRAB S S; PIRALI H M  
CORPORATE SOURCE: FOOD DRUG LAB RESEARCH CENTER, TEHRAN IRAN  
SOURCE: J MED PLANTS (2009) 8 (5) p. 89-96.  
DOCUMENT TYPE: Paper; (Research paper)  
LANGUAGE: ENGLISH  
CHARACTER COUNT: 1680  
ORGN Class: DICOT Family: MYRTACEAE Genus: SYZYGIUM Species: AROMATICUM  
Synonym(s): EUGENIA CARYOPHYLLATA  
Organism part: DRIED FLOWER BUDS  
TYPE OF STUDY (STY): IN VITRO. Classification (CC): MUTAGENIC ACTIVITY  
Extract type: ESSENTIAL OIL  
Dosage Information: AGAR PLATE; CONC USED: 1 MG per ML  
Pathological system: SALMONELLA TYPHIMURIUM  
Qualitative results: ACTIVE  
Comment(s): SEE ARTICLE FOR OTHER TEST RESULTS. VS.AMES MUTAGENICITY  
ASSAY.  
ORGN Class: DICOT Family: LAURACEAE Genus: CINNAMOMUM Species: ZEYLANICUM  
Organism part: DRIED BARK  
TYPE OF STUDY (STY): IN VITRO. Classification (CC): MUTAGENIC ACTIVITY  
Extract type: ESSENTIAL OIL  
Dosage Information: AGAR PLATE; CONC USED: 2 MG per ML  
Pathological system: SALMONELLA TYPHIMURIUM  
Qualitative results: INACTIVE  
Comment(s): VS.AMES MUTAGENICITY ASSAY. SEE ARTICLE FOR OTHER TEST  
RESULTS.  
ORGN Class: DICOT Family: LAMIACEAE Genus: THYMUS Species: VULGARIS  
Organism part: DRIED AERIAL PARTS  
TYPE OF STUDY (STY): IN VITRO. Classification (CC): MUTAGENIC ACTIVITY  
Extract type: ESSENTIAL OIL  
Dosage Information: AGAR PLATE; CONC USED: 2 MG per ML  
Pathological system: SALMONELLA TYPHIMURIUM  
Qualitative results: INACTIVE  
Comment(s): VS.AMES MUTAGENICITY ASSAY. SEE ARTICLE FOR OTHER TEST  
RESULTS.  
ORGN Class: DICOT Family: LAMIACEAE Genus: ZATARIA Species: MULTIFLORA  
Organism part: PART NOT SPECIFIED  
TYPE OF STUDY (STY): IN VITRO. Classification (CC): MUTAGENIC ACTIVITY  
Extract type: ESSENTIAL OIL  
Dosage Information: AGAR PLATE; CONC USED: 2 MG per ML  
Pathological system: SALMONELLA TYPHIMURIUM  
Qualitative results: INACTIVE  
Comment(s): VS.AMES MUTAGENICITY ASSAY. SEE ARTICLE FOR OTHER TEST  
RESULTS.

## DISPLAY QRD

AN 2012:7943 NAPRALERT  
 DN L33356  
 TI ESTROGENIC ACTIVITY PRODUCED BY AQUEOUS EXTRACTS OF SILKWORM (BOMBYX MORI) PUPAE IN OVARIECTOMIZED RATS  
 AU YANG H J; LEE J W; LEE S H; RYU J S; KWAK D H; NAM K S; PARK Y I; LEE Y C; JUNG K Y; CHOO Y K  
 CS DEPT PHARMACOL, COLL MEDICINE, WONKWANG UNIV, IKSAN 570-749 SOUTH KOREA  
 SO AMER J CHINESE MED (2010) 38 (1) p. 89-97.  
 DT Paper; (Research paper)  
 LA ENGLISH  
 CHC 700  
 ORGN Class: ARTHROPOD Family: BOMBYCIDAE Genus: BOMBYX Species: MORI  
 Organism part: FRESH PUPAE  
 TYPE OF STUDY (STY): IN VIVO. Classification (CC): ESTROGENIC EFFECT  
 Extract type: LYOPHILIZED EXTRACT  
 Dosage Information: INTRAGASTRIC; RAT(OVARIECTOMIZED); FEMALE; DOSE: 200 MG per KG  
 Qualitative results: ACTIVE  
 Comment(s): SEE ARTICLE FOR OTHER TEST RESULTS.

**In North America**

CAS  
 STN North America  
 P.O. Box 3012  
 Columbus, Ohio 43210-0012 U.S.A.

CAS Customer Center:  
 Phone: 800-753-4227 (North America)  
 614-447-3700 (worldwide)  
 Fax: 614-447-3751  
 Email: help@cas.org  
 Internet: www.cas.org

**In Europe**

FIZ Karlsruhe  
 STN Europe  
 P.O. Box 2465  
 76012 Karlsruhe  
 Germany  
 Phone: +49-7247-808-555  
 Fax: +49-7247-808-259  
 Email: helpdesk@fiz-karlsruhe.de  
 Internet: www.stn-international.com

**In Japan**

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 International Chemical Information)  
 STN Japan  
 Nakai Building  
 6-25-4 Honkomagome, Bunkyo-ku  
 Tokyo 113-0021, Japan  
 Phone: +81-3-5978-3601 (Technical Service)  
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 +81-3-5978-3600  
 Email: support@jaici.or.jp (Technical Service)  
 customer@jaici.or.jp (Customer Service)  
 Internet: www.jaici.or.jp