

NAPRALERT

Subject Coverage	Natural product information including pharmacology, biological activity, taxonomic distribution, ethnomedicine, and chemistry of plant, microbial, and animal (including marine) extracts		
File Type	Bibliographic		
Features	CAS Registry Number® Identifiers <input checked="" type="checkbox"/>	Page Images <input type="checkbox"/>	STN® AnaVist™ <input type="checkbox"/>
	Keep & Share <input type="checkbox"/>	SLART <input checked="" type="checkbox"/>	STN Easy® <input checked="" type="checkbox"/>
	Learning Database <input type="checkbox"/>	Structures <input type="checkbox"/>	
Record Content	<ul style="list-style-type: none"> • NAPRALERT (NATural PRoducts ALERT) 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. • The records in this file contain bibliographic information and factual data on natural products, including CAS Registry Numbers for many chemical constituents. 		
File Size	187,821 bibliographic records containing information for over 155,000 natural products and 181,895 organisms (2/2016)		
Coverage	<ul style="list-style-type: none"> • 1650 to 2011 • 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 		
Updates	<ul style="list-style-type: none"> • Occasional updates as information becomes available • Automatic current-awareness searches (SDIs) are not available 		
Language	English		
Database Producer	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		
Sources	<ul style="list-style-type: none"> • Abstract services • Books • Government reports • Journals • Newsletters • Patents 		

User Aids

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

Clusters

- AGRICULTURE
 - ALLBIB
 - AUTHORS
 - CASRNS
 - CHEMISTRY
 - CORPSOURCE
 - HEALTH
 - MEDICINE
 - PHARMACOLOGY
 - SAFETY
 - TOXICOLOGY
- [STN Database Clusters](#) information (PDF).
-

Pricing

Enter HELP COST at an arrow prompt (=>).

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* (1) (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 (2)	/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 (3) (code and text)	/CC	S ANALGESIC/CC S ANALGESIC ACTIVITY/CC	CC
Corporate Source (3)	/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 (2)	/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 (2)	/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 (2)	/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.

Format	Content	Examples
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

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 Internet: www.stn-international.com

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 International Chemical Information)
 STN Japan
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 Email: support@jaici.or.jp (Technical Service)
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 Internet: www.jaici.or.jp