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STN Database Summary Sheet

Science Citation Index (SciSearch®), the multidisciplinary scientific and technical database produced by Thomson Scientific, contains bibliographic information and cited references from approximately 5,900 of the world's leading scientific, technical, and medical journals. Records from January 1991 to the present include abstracts, author keywords, and KeyWords Plus®. Authors, bibliographic information, cited references, and KeyWords Plus are searchable.

Subject Coverage

Every subject area within the broad fields of science, technology, and biomedicine is included, such as:

- Agriculture
- Anatomy
- Astronomy
- Behavioral sciences
- Biology
- Biotechnology
- Chemistry
- Computer sciences and applications
- Ecology
- Energy
- Engineering
- Environmental sciences
- Genetics
- Immunology
- Materials science
- Mathematics
- Medicine
- Neuroscience
- Oncology
- Pediatrics
- Pharmacology
- Physics
- Plant sciences
- Psychiatry
- Reproductive systems
- Surgery
- Technical and applied sciences
- Veterinary science
- Zoology

Sources

Cover-to-cover indexing of every significant item from 5,900 leading scientific, technical, and medical journals

File Data

- 1974 to the present
- More than 28.1 million records (12/08)
- Updated weekly with about 28,000 records
- Automatic current-awareness searches (SDIs) are run weekly

User Aids

- Citation Searching in SciSearch Quick Reference Card
- STNGUIDE
- Online Helps (HELP DIRECTORY lists all help messages available)

Database Producer/Supplier

Thomson Scientific
3501 Market Street
Philadelphia, PA 19104
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Phone: +1 800 336 4474
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Customer Technical Support Contact Form: <http://www.scientifichomson.com/support/techsupport/>

In North America

CAS
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P.O. Box 3012
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CAS Customer Care:
Phone: 800-753-4227 (North America)
614-447-3700 (worldwide)
Fax: 614-447-3751
E-mail: help@cas.org
Internet: www.cas.org

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P.O. Box 2465
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Fax: +49-7247-808-259
E-mail: helpdesk@fiz-karlsruhe.de
Internet: www.stn-international.de

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International Chemical Information)
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Nakai Building
6-25-4 Honkomagome, Bunkyo-ku
Tokyo 113-0021, Japan
Phone: +81-3-5978-3601 (Technical Service)
+81-3-5978-3621 (Customer Service)
Fax: +81-3-5978-3600
E-mail: support@jaici.or.jp (Technical Service)
customer@jaici.or.jp (Customer Service)
Internet: www.jaici.or.jp

SCISEARCH**SEARCH and DISPLAY Field Codes**

The fields that allow left truncation (/BI, /AB, /ST, /STP, and /TI) are marked with an asterisk (*).

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index * (contains single words from the title (TI), author keywords (ST), abstract (AB), and KeyWords Plus (STP) fields) (1)	None (or /BI)	S CONJUGAT? S PEPTIDE IMMUNOGEN# S DIELS (L) REARRANG? S ISOMER? S ?STEREO?	AB, TI, ST, STP
Abstract * (1)	/AB	S COLLAGEN FIBER#/AB	AB
Accession Number	/AN	S 91:99998/AN	AN
Author	/AU	S CARTER A?/AU	AU, AU.CS
Cited Reference (contains referenced author, year, volume, page, work, patent number, and patent inventor or assignee)	/RE	S BYRON B, 1985?/RE S US 3623975, 1971?/RE	RE
Cited Reference Author	/RAU	S BYRON B?/RAU(S)1985/RPY	RE
Cited Reference Count (2)	/REC	S L6 AND REC<=10	REC
Cited Reference Inventor	/RIN	S COTTER W?/RIN	RE
Cited Reference Page Number (2)	/RPG	S L6 AND 20>RPG>10	RE
Cited Reference Patent Number (3)	/RPN (or /PATS)	S US556669/RPN	RE
Cited Reference Publication Volume (2)	/RVL	S J BIOL CHEM/RWK (S) 264/RVL	RE
Cited Reference Publication Year (2)	/RPY	S RPY>=1993	RE
Cited Reference Work	/RWK	S MORGAN M?/RAU (S) NATURE/RWK	RE
Classification Code (Category Code) (4)	/CC	S CHEMISTRY/CC S "CHEMISTRY,ANALYTICAL"/CC	CC
Corporate Source (4)	/CS	S DOW FREEPORT/CS	CS, AU.CS
Country Name of Author	/CYA	S GREECE/CYA	CYA
Document Number	/DN	S 0000603128/DN	DN
Document Type (code and text)	/DT (or /TC)	S BIO/DT S BIOGRAPHY/DT	DT, TC
E-mail Address	/EML	S JBLAKE@ENSR.COM/EML	CS, EML
Entry Date (2)	/ED	S ED>940900	ED
Field Availability	/FA	S L1 AND RF/FA	Not displayed
File Segment	/FS	S L2 AND ENGI/FS	FS
The Genuine Article® Number (Order Number)	/GA (or /ON)	S DZ558/GA	GA
International Standard (Document) Number (5)	/ISN	S 0002-3264/ISN	ISN, SO
Journal Title	/JT	S JOURNAL OF ADVANCED ZOOLOGY/JT	JT, SO
Language (code and text)	/LA	S FR/LA S FRENCH/LA	LA
Publication Date (2)	/PD	S 19940000/PD	PD, SO
Publication Year (2)	/PY	S 1993-1994/PY	PY, SO
Publisher Information	/PB	S SPRINGER/PB	PB
Source (contains journal title, collation information, publication date, publisher name and address, and ISSN)	/SO	S (REVIEW# AND CHEMIST?)/SO S MACMILLAN MAGAZINES/SO	SO
Supplementary Term * (Author Keyword) (1)	/ST	S PHOTOMET? STEREO?/ST	ST
Supplementary Term Plus * (KeyWords Plus) (1)	/STP	S QUANTUM YIELD#/STP	STP
Title *	/TI	S EDUCATION/TI S STRUCTUR? ANALYSIS/TI	TI
Update Date (2)	/UP	S UP>=20040930	ED (UP)
Zip Code (2)	/ZP	S 43229/ZP	CS

(1) The abstract (AB), author keywords (ST), and KeyWords Plus (STP) are available from 1991 to the present.

(2) Numeric search field that may be searched using numeric operators or ranges.

(3) By default, displayed in STN format. To display them in Derwent format, enter SET PATENT DERWENT at an arrow prompt. To reset display to STN format, enter SET PATENT STN.

(4) Search with implied (S) proximity is available in this field.

(5) Data available from 1992 to the present.

(6) Data available from 1983 to the present.

Limiting Search Codes (1)

Search Field Name	Search Code	Search Examples
English language records	/ENGLISH (2)	S L1/ENGLISH
Records in a language other than English	/NENGLISH (2)	S L1/NEN
Records that are articles	/ARTICLE (2)	S L1/ART
Non-article records	/NARTICLE (2)	S L1/NAR
Records that are reviews	/REVIEW (2)	S L1/REV,CRE (3)
Records with cited references	/CREF (2)	S L1/CRE
Records without cited references	/NCREF (2)	S L1/NCR
Records with abstracts	/ABSTRACT (2)	S L1/ABS,ENG (3)

- (1) Only an answer set created in SCISEARCH may be limited.
 (2) The code may be abbreviated to the first three letters.
 (3) An answer set may be limited to more than one subject area.

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 SO RE, D L1 1-5 TI,SO,RE. The fields are displayed in the order requested.

Hit-term highlighting is available in all fields except PY. Highlighting must be ON during SEARCH in order to use the HIT, KWIC, and OCC display formats.

Format	Content	Examples
AB	Abstract	D L4 1-4 AB
AN	Accession Number	DISPLAY L1 3 AN
AU (2)	Author	D AU 1,3-5
CC	Classification Code (Category Code)	D CC 5-10
CS (2)	Corporate Source	D 1-3,7,8 CS
CYA	Country Name of Author	D CYA
DN	Document Number	D DN
DT (TC)	Document Type	D DT 1-5
EML	E-mail Address	D EML
FS	File Segment	D L1 FS 3
GA (ON)	The Genuine Article Number	D 1,3,6,8 GA L5
ISN	International Standard (Document) Number	D ISN
JT	Journal Title	D JT
JTA	Journal Title, Abbreviated	D JTA
JTF	Journal Title, Full	D JTF
LA	Language	D L8 LA 1 3
PATS	Table of cited patent information (contains referenced patent number (RPN), year (RPY), and inventor referenced patent number (RIN))	D PATS
PB	Publisher Information	D PB
PD	Publication Date	D L1 PD
PY	Publication Year	D PY
RE	Table of Cited References (contains the author (RAU), inventor (RAU), patent number (RPN), work (RWK), page number (RPG), publication volume (RVL), and publication year (RPY))	D RE L1 4
REC	Cited Reference Count	D REC 3,4
SO	Source	D SO
ST	Supplementary Term (Author Keyword)	D L3 ST
STP	Supplementary Term Plus (KeyWords Plus)	D STP 2 L5
TI	Title	D TI 2

SCISEARCH**DISPLAY and PRINT Formats (cont'd)**

Format	Content	Examples
ABS ALL AU.CS BIB	AB AN, GA, TI, AU, CS, CYA, SO, PB, DT, FS, LA, REC, AB, CC, ST, STP, RE AU.CS displays linked together AN, GA, TI, AU, CS, CYA, SO, PB, DT, FS, LA, REC (BIB is the default)	D L3 4 ABS D ALL D AU.CS D 5,3 BIB
CBIB DALL IABS IALL IBIB IND SAM (TRIAL) SCAN (1)	Compressed Bibliographic Information ALL, delimited for post-processing ABS, with a text label ALL, indented with text labels BIB, indented with text labels CC, ST, STP AN, GA, TI, REC, CC, ST, STP AN, GA, TI, CC, ST, STP (random display without answer numbers)	D CBIB D DALL 1-5 D IABS D L3 2 IALL D IBIB D 1-3,5,6 IND L3 D L2 SAM 3,4-7 D SCAN
HIT KWIC OCC	Fields containing hit search terms Hit terms with 20 words on either side (Key-Word-In-Context) Number of occurrences of hit terms and fields in which they occur	D L4 HIT 3 D KWIC D OCC 1-6

(1) No online display charge for this option. SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

(2) AU.CS displays authors linked to their organization.

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers or 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	SELECT (1)	SORT
Abstract	AB	Y	N
Accession Number	AN	Y	N
Author	AU	Y	Y
Citation	CIT	Y (2,3)	N
Cited Reference	RE	Y	N
Cited Reference Author	RAU	Y	N
Cited Reference Count	REC	Y	Y
Cited Reference Inventor	RIN	Y	N
Cited Reference Page Number	RPG	Y	N
Cited Reference Patent Number	RPN	Y	N
	PATS	Y	N
Cited Reference Publication Volume	RVL	Y	N
Cited Reference Publication Year	RPY	Y	N
Cited Reference Work	RWK	Y	N
Classification Code (Category Code)	CC	Y	Y
Corporate Source	CS	Y	Y
Country Name of Author	CYA	Y	Y
Document Number	DN	Y	Y
Document Type	DT	Y	Y
(Treatment Code)	TC	Y	Y
E-mail Address	EML	Y	Y
File Segment	FS	Y	Y
Hit Citation	HITRE	N	Y
International Standard (Document) Number	ISN	Y (4)	N
International Standard Serial Number	ISSN	N	Y
Journal Title	JT	Y	Y
Journal Title, Abbreviated	JTA	Y	Y
Journal Title, Full	JTF	Y	Y

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	SELECT (1)	SORT
Language	LA	Y	Y
Occurrence Count of Hit Terms	OCC	N	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y (3)	Y
Source	SO	Y (5)	N
Supplementary Term (Author Keyword)	ST	Y	N
Supplementary Term Plus (KeyWords Plus)	STP	Y	N
The Genuine Article Number	GA	Y	Y
(Order Number)	ON	Y	Y
Title	TI	Y (default)	Y

(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 AU.

(2) Selects first author, publication year, volume, first page, and a truncation symbol with /RE appended.

(3) SELECT HIT is not valid with this field.

(4) Selects the ISSN with /ISN appended.

(5) Selects the ISSN with /SO appended.

Sample Record**DISPLAY IALL**

ACCESSION NUMBER: 2001:551699 SCISEARCH
 THE GENUINE ARTICLE: 448LX
 TITLE: HIV inhibitor from Thai bitter gourd
 AUTHOR: Jiratchariyakul W (Reprint)
 CORPORATE SOURCE: Mahidol Univ, Fac Pharm, Dept Pharmacognosy, Sri Ayudhya Rd, Bangkok 10400, Thailand (Reprint)
 AUTHOR: Wiwat C; Vongsakul M; Somanabandhu A; Leelamanit W; Fujii I; Suwannaroj N; Ebizuka Y
 CORPORATE SOURCE: Mahidol Univ, Fac Pharm, Dept Pharmacognosy, Bangkok 10400, Thailand; Mahidol Univ, Fac Sci, Bangkok 10400, Thailand; Univ Tokyo, Fac Pharmaceut Sci, Dept Nat Prod Chem, Grad Sch, Tokyo 113, Japan
 COUNTRY OF AUTHOR: Thailand; Japan
 SOURCE: PLANTA MEDICA, (JUN 2001) Vol. 67, No. 4, pp. 350-353
 ISSN: 0032-0943.
 PUBLISHER: GEORG THIEME VERLAG KG, RUDIGERSTR 14, D-70469 STUTTGART, GERMANY.
 DOCUMENT TYPE: Article; Journal
 LANGUAGE: English
 REFERENCE COUNT: 17
 ENTRY DATE: Entered STN: 20 Jul 2001
 Last Updated on STN: 20 Jul 2001

ABSTRACT:

Thai bitter gourd protein (MRK29) was isolated from *Momordica charantia* ripe fruit and seed. The purification was performed by ammonium sulfate fractionation and gel filtration chromatography. MRK29 possessed one isoelectric point of (pI) greater than or equal to 9, and the time of flight mass spectrum (TOFMS) indicated its molecular weight at 28.6 kD. The twenty amino acid sequence from the N-terminus was in the following order: (1)Asp Val Asn Phe Arg Leu Ser Gly Ala (10)Asp Pro Arg X Tyr Gly Met Phe lie Glu (20)Asp. MRK29 inhibited the HIV-1 reverse transcriptase with 50% IR at the concentration of 18 mug/ml. MRK29 was concentrated in the 30-60% salt precipitated fraction, at which the concentration of 0.175 mug/ml exerted 82% reduction of viral core protein p24 expression in HIV-infected cells. MRK29 might have modulatory role on immune cells, because it increased 3-fold TNF activity.

SCISEARCH

CATEGORY: PLANT SCIENCES; CHEMISTRY, MEDICINAL; PHARMACOLOGY & PHARMACY

SUPPLEMENTARY TERM: Thai bitter gourd anti-HIV protein; MRK29; Momordica charantia L.; Cucurbitaceae; HIV-1 reverse transcriptase inhibitor; anti-HIV protein; immunomodulatory effect

SUPPL. TERM PLUS: RIBOSOME-INACTIVATING PROTEIN; MOMORDICA-CHARANTIA; HYPOGLYCEMIC ACTIVITY; SEEDS

REFERENCE(S):

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)
BRADFORD M M	1976	72	248	ANAL BIOCHEM
KARUNANAYAKE E H	1984	11	223	J ETHNOPHARMACOL
KHANNA P	1981	44	648	J NAT PRODUCTS
LAEMMLI U K	1970	227	680	NATURE
LEEHUANG L	1992		153	NATURAL PRODUCTS ANT
LEEHUANG S	1995	92	8818	P NATL ACAD SCI USA
LEEHUANG S	1990	272	2	FEDERATION EUROPEAN
LEUNG S O	1987	13	159	IMMUNOPHARMACOLOGY
MINAMI Y	1993	57	1141	BIOSCI BIOTECH BIOCH
NG T B	1994	25	75	GEN PHARMACOL
NG T B	1992	23	579	GEN PHARMACOL
RUFT M R	1980	125	1671	J IMMUNOL
SCHINAZI R F	1992		9	NATURAL PRODUCTS ANT
SHIBIB B A	1993	292	267	BIOCHEM J
TOMASI L F	1982	71	323	ARCH VIROL
WELIHINDA J	1986	17	277	J ETHNOPHARMACOL

STN Patent No. (RPN)	Year (RPY)	Ref. Inventor/Assignee (RIN)	Type	Ref. Patent No. (RPN)
WO 9206106		LEEHUANG L	APPL	WO 9206106