

What's New from



SLA Vendor Roundtable

**W. Mercier, CAS Major Account Manager
June 10, 2002**



CAS, as a division of the American Chemical Society, provides an integral service to the scientific and intellectual property communities.



from the the ACS charter: “to encourage the increase and diffusion of chemical knowledge for the benefit of industry and education”



CAS scientists analyze and index scientific literature



World
Leading
Chemistry
Databases

To create
the world's best digital
environment to search, retrieve,
analyze and link chemical
information

Power
of the
Web

Value
Added
Tools



World
Leading
Chemistry
Databases

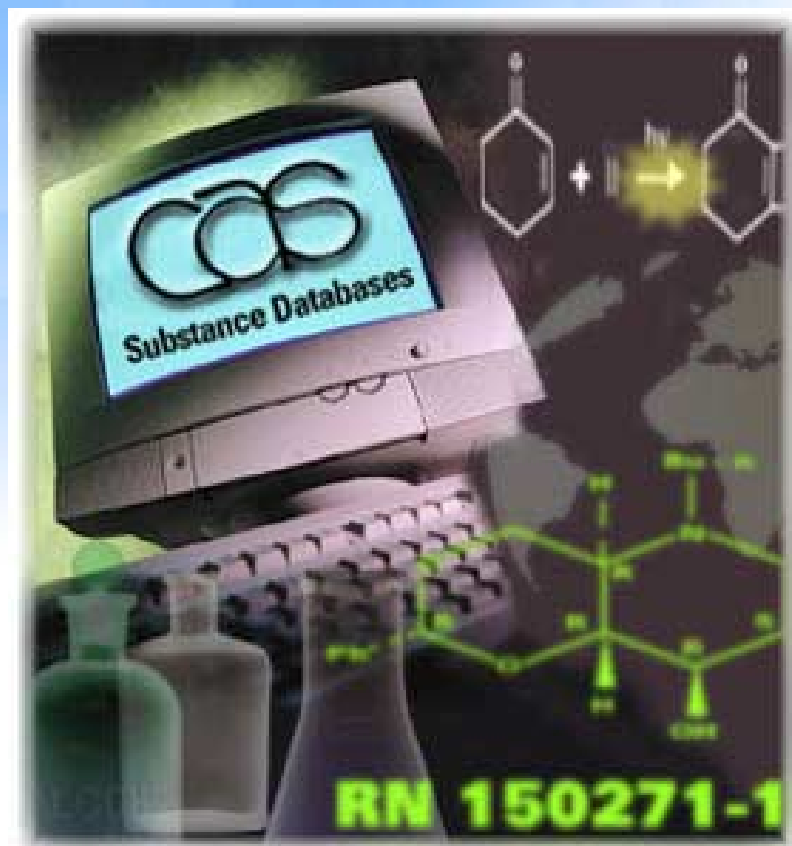
The CA/CAPLUS databases keep getting better and better



- References and page images back to 1907 added
- Full Journal titles added
- ISBNs added
- new ROLES added
- Cited references added
- LEXICON added



The CAS Registry improvements continue

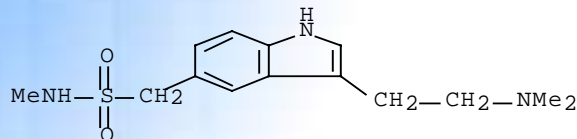


- Currently ~40 million substances
- 85 million calculated properties added



Calculated Physical Properties Sample Record

RN 103628-46-2 REGISTRY



Calculated Properties (CALC)

CODE	PROPERTY	VALUE	CONDITION	NOTE
HD	H donors	2		ACD (1)
HAC	H acceptors	5		ACD (1)
MW	Molecular Weight	295.40		ACD (1)
LOGP	logP	0.667+/-0.641		ACD (1)
LOGD	logD	-2.43	pH 1	ACD (1)
LOGD	logD	-2.43	pH 4	ACD (1)
LOGD	logD	-1.73	pH 7	ACD (1)
LOGD	logD	-0.82	pH 8	ACD (1)
LOGD	logD	0.53	pH 10	ACD (1)
PKA	pKa	11.31+/-0.40	Most Acidic	ACD (1)
PKA	pKa	9.49+/-0.28	Most Basic	ACD (1)
SLB.MOL	Molar Solubility	>=1 mol/L	pH 1	ACD (1)
SLB.MOL	Molar Solubility	>=1 mol/L	pH 4	ACD (1)
SLB.MOL	Molar Solubility	>=1 mol/L	pH 7	ACD (1)
SLB.MOL	Molar Solubility	>=0.1 - <1 mol/L	pH 8	ACD (1)
SLB.MOL	Molar Solubility	>=0.01 - <0.1 mol/L	pH 10	ACD (1)

(1) Calculated using Advanced Chemistry Development software Solaris V4.67, 2001.



REGISTRY will offer new tools for polymer searching

- New polymer “linking” feature
 - collects related polymers into one answer set
- New polymer structure/substructure searching feature
 - allows more flexible input of polymer structures



CASREACT now contains more reactions

- **5.7 million** single and multi-step reactions back to 1974 (includes reactions from InfoChem)
- Journal and patent literature
- Reactions linked to CAplus documents
- Weekly updates



TOXCENTER enhances STN's toxicology offering



- >5 million records from journal literature and patents
- CAS RNs
- robust content from 4 databases
 - BIOSIS Previews/RN[®] from 1969-present
 - CAlus from 1947-present
 - International Pharmaceutical Abstracts (IPA) from 1970-present
 - MEDLINE from 1958-present



Value
Added
Tools



BLAST[®] searching in the CAS Registry is now available in STN on the Web (<http://stnweb.cas.org>)

STN on the Web Session - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print PDF Real.com

Address <http://stnweb.cas.org/cgi-bin/sdcp?SID=194886-1017008738-200&APP=stnweb&> Go Links

New Release!

STN on the web

- Help
- News
- Search Assistants
 - Search Assistant
 - Patent Search
 - Alert (SDI) Ass.
 - Structure Query
 - Sequence Asst.
 - Upload Cmd. File
- Results Assistant
- Transcript Assistant
- => Command Line
- Logoff Hold
- Logoff
- Feedback
- Send Break

STN Command List
File-Specific Help List

Sequence Search Assistant

CAS Registry BLAST[®]: [Cost Information](#) ([Plug-in Required](#))

Launch CAS Registry BLAST Launch sequence searching and review BLAST reports ([Help](#)) ([Security](#))

Select STN session status following Launch of CAS Registry BLAST:

- Session will time out in 20 minutes
- LOGOFF HOLD (session may be resumed within 60 minutes)
- LOGOFF

Retrieve RNs from BLAST Retrieve a set of RNs previously transferred from a BLAST report ([Help](#))

DGENE:

Upload DGENE sequence Upload a nucleotide or peptide sequence query from an external file for searching the DGENE database in command line mode. The uploaded sequence may be used in a sequence homology search (RUN [GETISM](#) or RUN [BLAST](#)), or a Sequence Code Match search (RUN [GETSEQ](#)).

BLAST is a registered trademark of the National Library of Medicine

Cancel



New Patent Look-Up tool available on STN Easy

STN Easy Search Page

Easy Search
Advanced Search
CAS Number Search
Patent Lookup

+ Help
Session Cost
Price List
Preferences
Search History
+ Cust. Support
Home Page
Comments
Log Off

Easy Advanced CAS Number Patent

Search Page

1. **Select Your Category** Current category is: **Patents**

2. Enter one or more search terms below. Terms will be joined with: **AND**

Title:	<input type="text"/>	Browse Index
	e.g. plasma welding	
Subject Words:	<input type="text" value="household cleaner"/>	Browse Index
	e.g. surface layer	
Inventor:	<input type="text"/>	Browse Index
	Last Name	
	<input type="text"/>	<input type="checkbox"/>
	First Name	M.I.
Patent Assignee:	<input type="text" value="Clorox"/>	Browse Index
	e.g. Crucial Chemical Company	
IPC Classification:	<input type="text"/>	Browse Index
	e.g. B23K009-00	
Patent Number or Patent Country:	<input type="text"/>	Browse Index
	e.g. EP1043108, EP	
Publication Date:	<input type="text"/>	Browse Index
	e.g. 19991028, 1999	
Application Number or Application Country:	<input type="text"/>	Browse Index
	e.g. EP1999-890401, EP	



Announcing: STN Easy for Intranets **Available June 16**

- Create a customized site that makes STN Easy databases accessible to end-users
- IP authentication for STN Easy (loginIDs & passwords not needed)
- Deliver current-awareness search results
- Customize content, appearance, & access to full-text



Recent SciFinder release provided new content and functionality

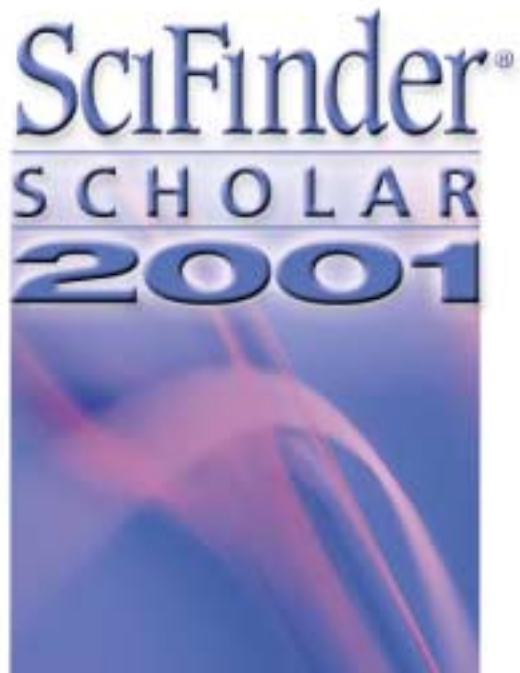
The SciFinder 2001 logo features the word 'SciFinder' in a blue serif font with a registered trademark symbol, and '2001' in a bold, blue, sans-serif font below it. A yellow lightning bolt graphic is positioned to the right of the '2001' text. The background of the logo is a white-to-blue gradient with abstract, flowing lines.

SciFinder®
2001

- Nucleotide or Protein Sequence search
- Calculated physical properties
- Retrospective reaction coverage
- “Get related” information
- Ability to link to *Spotfire DecisionSite for Lead Discovery* software
- Ability to create Keep Me Posted (KMP) profiles based on structures



Recent SciFinder Scholar release included many new enhancements



- Retrospective reaction coverage
- Calculated physical properties
- Citation Linking
- Get Related Substances
- eScience® link
- More user preferences



STN improvements

- New email delivery options for search results
 - multiple formats (RTF, PDF, zipped HTML, plain text)
 - graphic images
 - links to full-text documents

This feature also available for SDIs!

Available as of June 2

See also May/June *STNews* or June *STNewsline*



STN EXPRESS V6 offers more tools and features

- RTF transcript files now contain live (fully functional) hyperlinks
- Expanded formats available for transcripts (EXCEL, HTML, ASCII, and RTF)
- Expand abbreviations feature added
- Improved Registry Number wizards
- Citation hyperlinks available
- Patent number hyperlinks available
- Improved Accounting function
- Auto-upgrade capability



STN EXPRESS Version 6 offers more tools and features

- Table Tool
 - create a table of data, graphics, and/or chemical structures from STN answer sets for simple analysis
- Report Tool
 - create customized reports from STN search results
- Predefined Reports feature
 - allows users to quickly create patent reports with a professional, customized look and feel
- Graphical statistical summaries in reports or tables
- Print preview feature added



Announcing STN EXPRESS V. 6.01

- New professional-looking report options
 - Substance Report
 - Substance Report with Properties
 - Journal Report
 - Patent & Journal (combined) Report
 - Substance Table
 - Substance Table with properties
- Enhanced editing and formatting capabilities with post-processing tools
- Launch CAS Registry BLAST
- Include BLAST alignment data within transcripts

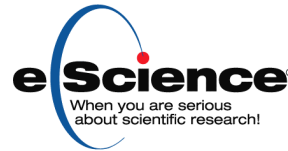


Power
of the
Web



CAS is using the web in innovative ways to...

- **Link out to full-text documents**
- **Link in from full-text journal articles to a CAS abstract**
- **Link to relevant content via web search engines**
- **Communicate with customers and provide technical support**





ChemPort content has grown since its introduction in 1997

- 155 publishers
- 3 patent suppliers
- Aggregators (EBSCO, HighWire...)

>3300 journals!



ChemPort connections get better...

- Site Administration Tool added
- Email citation feature added



Science Spotlight has also been enhanced

Netscape: CAS Science Spotlight

Back Forward Reload Home Search Netscape Images Print Security Stop

Netsite: <http://www.cas.org/spotlight/index.html> What's Related

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CAS SCIENCE SPOTLIGHTSM

Welcome

CAS[®], the leading resource in chemical information, is now spotlighting the most cited and most requested journal articles and patent families in chemistry and related science.

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CHEMISTRY - NEW CATEGORY!

- ▶ Most Cited documents

CHEMISTRY AND RELATED SCIENCE

- ▶ Most Cited documents

CHEMISTRY AND RELATED SCIENCE

- ▶ Most Requested documents



Announcing: Information Professional Web Pages

Debuted June 9

- www.cas.org/infopro/index.html
- Focus on products geared to information professionals
- Selected CAS presentations
- Trade show information
- *What's New* information



New on www.cas.org : “Ask CAS” self help

CAS, Chemical Abstracts Service Home Page - Microsoft Internet Explorer

Address: <http://www.cas.org/>

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Substance Database Information

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- Commercially Available Chemicals
- Compounds Claimed in Patents
- Regulated Chemicals Information

Careers at CAS

Chemical Industry News from Reuters

Join us in Orlando **APRIL 8-10**
CAS Booth #336

<http://askcas.cas.org/>

Start Exceed Paint Shop Pro CAS, Chemical Abstra... Internet 10:03 AM

World
Leading
Chemistry
Databases

To create
the world's best digital
environment to search, retrieve,
analyze and link chemical
information

Power
of the
Web

Value
Added
Tools



What's New from



Stop by our exhibit booth

#947