

STN News

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Announcements

SPOTLIGHT - ECLA Thesaurus in CASSM/CAplusSM Improves Patent Searching on STN[®]

Thesauri for ECLA (European Patent Classifications) and ICO (in computer-only) codes now provide STN users a higher degree of specificity when searching patents in the CA/CAplus family of databases on STN. Monthly updates to both thesauri allow STN users to access information about emerging areas of technology. Additional ECLA and ICO code changes in the CA/CAplus family of databases include matching formatting conventions for cross-database searching.

The thesauri can be used with the EXPAND and SEARCH commands in EPC (including EPC aliases, ECLA and EPCLA) and ICO fields.

The following relationship codes are available:

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CAS Customer Center Q&A

Each month we'll provide answers to real customer questions.

Q. *How can I limit my answer set in CAS REGISTRYSM to substances with a specific number of ring systems and specify the number of rings in each ring system?*

A. In REGISTRY, you can use CNRS (component number of ring systems) and NRRS (number of individual rings in each ring system) search fields to retrieve substances with predefined ring system characteristics.

For example: Identify substances which contain two ring systems, where one of these ring systems is comprised of three individual rings.

Relationship Code	Description
ALL	All usually required terms (BT, SELF, DEF, NT)
AUTO	Automatic relationship (BT, SELF, DEF, NT)
BT	Broader terms (BT, SELF)
CODE	Classification Code (SELF, CODE)
DEF	Definition (SELF, DEF)
HIE	Hierarchy terms (all broader and narrower terms) (BT, SELF, DEF, NT)
KT	Keyword terms (SELF, KT)
MAX	All associated terms
NEXT	Next classification within the same class (SELF, NEXT)
NEXT(n)	Next n classifications within the same class
NT	Narrower terms
PREV	Previous Code within the same class (SELF, PREV)
PREV(n)	Previous n classifications within the same class
TI	Complete title including broader terms (BT, SELF)

See HELP THESAURUS and HELP RCODES for further details.

In addition to the CA/CAPLUS family of databases, ECLA and ICO thesauri are available in the following databases on STN:

- 🔗 Derwent World Patents Index® (DWPISM)
- 🔗 INPADOCDB/INPAFAMDB
- 🔗 PCTFULL
- 🔗 FRFULL
- 🔗 GBFULL
- 🔗 AUPATFULL
- 🔗 CANPATFULL

🔗 Let Us Know What You Think

Help us make our newsletter better for you. Later this year, we will re-launch STNews under a new format and would love your input in its design. Let us know what you like best and any suggestions and comments at STNews@cas.org.



Set up an RSS Feed and keep informed. Receive an

```

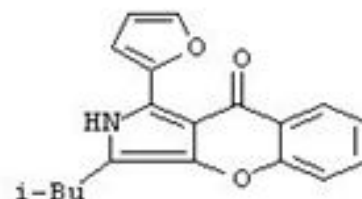
=> FILE REGISTRY
=> SEARCH 2/CNRS (P) 3/NRRS
18579632 2/CNRS
4184532 3/NRRS
L1 1427132 2/CNRS (P) 3/NRRS

=> DISPLAY L1 230 IDE

L1 ANSWER 230 OF 1427132
REGISTRY COPYRIGHT 2011
ACS on STM
RN 1333334-89-6 REGISTRY
ED Entered STM: 26 Sep 2011
CN [1]Benzopyrano[2,3-
c]pyrrol-9 (2H)-one, 1-
(2-furanyl)-3-(2-
methylpropyl)-
(CA INDEX NAME)
HF C19 H17 N O3
SR CA
LC STM Files: CAPLUS

1 REFERENCES IN FILE CAPLUS
(1907 TO DATE)

```



Q. How can I locate salts of acids that match a specific molecular formula (MF) in the REGISTRY database?

A. REGISTRY has special formatting rules for determining the MF for salts of acids. To determine the MF for salts of acids do the following:

1. Replace the metal from the acid with hydrogen. This part of the formula is known as the parent acid.
2. Determine the formula for the neutral compound in Hill System order.
3. Separate the acid formula from the metal formula with a dot where the carbon-containing acid comes first.

Let's look at sodium acetate, commonly presented as CH₃COONa, as an example.

1. Replace metal with hydrogen. CH₃COOH and Na.

alert from CAS whenever important news is available.

Database News

USAN Database Updates Offer Superior Currency on STN

STN now provides the most up-to-date USAN database information, now with coverage from 1953-2011. This additional information provides STN users with the most complete USP Dictionary of U.S. Adopted Names and International Drug Names recognized throughout the pharmaceutical and health care industries.

For more information about the USAN database on STN, please refer to the [STN Database Summary Sheet](#) or contact your STN representative.

GEOREF and ENCOMPLIT Databases Were Reloaded on September 24, 2011

More details on the enhancements and changes are available in the databases in HELP RLOAD.

STN Adds Canadian Patent Full-text Database - CANPATFULL

As of September 24, 2011, CANPATFULL has added the full text of Canadian patent applications and patent specifications from 1920 onwards to STN. The Canadian Intellectual Property Office is within the top ten authorities concerning the number of patent applications over the past two decades. In recent years, over 30,000 applications were filed annually.

CANPATFULL database records contain detailed bibliographic data, legal representative information, International and European classification codes (IPC and ECLA/EPC), abstract and the full text of description and claims. Database records for patents published in French have, in addition to the original French document, a human-translated English abstract and machine-translated English claims and description. Each record contains all documents published for one application, displayed in order of appearance. Legal status data and family display formats from the INPADOCDB database are available as well as the searchable online thesauri for the International Patent Classification (/IPC) and European Patent Classification (/EPC and /ICO). CANPATFULL is updated weekly and comprises a total of about 2 million records.

For additional information about this new database, refer to the

2. Formula for the neutral compound.
C2H4O2

3. Separate acid from metal with a dot.
C2H4O2.Na

```
=> FILE REGISTRY
=> SEARCH C2H4O2.NA/ME
L1 32 C2H4O2.NA/ME
```

Q. How can I create a comprehensive list of ECLA code descriptions for a term that has variable spellings?

A. You will need to EXPAND on each variant spelling of the term to create a comprehensive list of ECLA code descriptions.

For example, if you want to create a list for color:

[STN Database Summary Sheet](#) or [STNGuide](#) (=> S CANPATFULL/DBN).

IFI Updates Resume on STN

Updates to the IFIPAT/IFIUDB/IFICDB databases have resumed.

The databases will be updated in chronological order beginning with the oldest update (April 28, 2011) and moving forward. The databases are expected to be current by November 2011.

SDI updates will also resume. We will be delivering separate SDI updates for April/May, June, July, August, September and October before returning to your regular scheduled frequencies in November 2011.

For the latest update information, type NEWS FILE at an arrow prompt within the IFI database of interest or contact your local STN Service Center.

Access AUPATFULL and CANPATFULL Databases with STN Viewer™

You can now access full-text Australian and Canadian patent information on STN Viewer.

Addition of AUPATFULL and CANPATFULL databases to STN Viewer adds value to the only patent evaluation tool that combines high-quality full-text patent databases on STN with precise search capabilities and post-processing features of STN Express®.

To use the AUPATFULL and CANPATFULL data on STN Viewer, download the STN Express support file update from September 22, 2011.

For additional information about updating STN Express support files (automatically or manually) see the Help files for STN Express, V8.4 or V8.5, or the [STN Software License and Download website](#).

Product News

Older Versions of STN Express to be Discontinued Beginning in March 2012

To ensure an improved, more consistent user experience with newer features and maximized security for all STN sessions, we plan to discontinue support and access to older versions of STN

```
=> FILE CAPLUS

=> EXPAND COLOR+KT/EPC
E1 0 --> color/EPC
E2 0 KT (N: including means
      improving color mixing,
      white) (N0707)/EPC
E3 0 KT Color analysis
      (N0505)/EPC
E4 0 KT Color coding
      (N0110)/EPC
E5 0 KT according tone color
      processor workload
      (N9811)/EPC
E6 0 KT achieving color
      effect (N0605)/EPC
E7 0 KT color point light
      (N0911)/EPC
E8 0 KT preserving color
      pattern without loss of
      information (N0911)/EPC
E9 0 KT simulate tube
      amplifiers changing
      tone color non-linear
      elements G10H0001-16
      (N9811)/EPC
***** EMD *****

=> EXPAND COLOUR+KT/EPC
E1 0 => colour/EPC
E2 0 KT (N: Colour filter
      arrangements)
      (N0605)/EPC
E3 0 KT N: Details control
      colour illumination
      sources) (N0707)/EPC

Answer abbreviated due to
length.

E284 0 KT which colour
      signals are inserted
      blanking interval of
      brightness signal/EPC
***** EMD *****
```

The ECLA code descriptions will include terms with both spelling variations and numerous associated terms.

Upcoming Training

CAS Learning Solutions is the place to go for instructor-led and on-demand STN training.

Be sure to check out the latest e-Seminar "Approaches for Analysis of Patent Data on STN" presenting how to use ANALYZE and TABULATE, Analyze Plus in STN Express, Version 8.5, STN AnaVist and STN Viewer.

Do you ever need to search for substances

Express beginning in March 2012. Please note that you can upgrade for free at any time to the current version of STN Express, Version 8.5, from the [STN Software License and Download website](#).

Software and support for versions of STN Express will be discontinued according to the following schedule:

Version	Support	Software
Versions below 7.0	December 31, 2008	March 31, 2012
Versions below 8.0	March 31, 2012	August 31, 2012
Versions below 8.3	August 31, 2012	December 31, 2012
Versions below 8.4	December 31, 2012	June 30, 2013

Support discontinuation = You may continue to use the software, but technical support and documentation for this version may no longer be available.

Software discontinuation = Access to STN will no longer be possible with this version of STN Express.

Whether you've already upgraded to STN Express, Version 8.5, or will be doing so in the near future, we want to make sure you get the support you need. Contact your local STN Service Center for assistance.

Take Note



Overcome STN Truncation Limits with ANALYZE

One of the most flexible, problem-solving commands on STN is ANALYZE. Traditionally the ANALYZE command is used to extract and provide a statistical analysis of up to 50,000 terms from an L-number. However, it is also useful in overcoming truncation limits, particularly in cases with both left and right truncation.

In this search example, we are looking for antidiabetic substances that are tablets and contain "AZO."

```
=> SEARCH ANTIDIABETIC AGENTS+NT,OLD/CT AND  
PHARMACEUTICAL TABLETS+NT,OLD/CT
```

```
L1 3109 ANTIDIABETIC AGENTS+NT,OLD/CT AND  
PHARMACEUTICAL TABLETS+NT,OLD/CT
```

```
=> SEARCH L1 AND ?AZO?
```

```
TERM '?AZO?' EXCEEDED TRUNCATION LIMITS -  
SEARCH ENDED
```

containing hydrogen isotopes? Two short narrated presentations are now available: "Deuterium and Tritium Substances in STN Databases, Parts 1 and 2."

STN e-Learning Tutorials

To see all of the CAS product training options, visit <http://learningsolutions.cas.org> to register and log in today. Frequently asked questions and quick reference cards are available to help new users with Learning Solutions.

Visit the STN events calendar in the [CAS Learning Solutions](#) resource center for titles, descriptions, schedule and locations of all STN e-Learning and training for 2011.

STN e-Seminars

October 13
[Search Organometallics and Coordination Compounds](#)

October 25
[Virtual STN Patent Forum: A Class on Classification](#)

November 10
[Virtual STN Patent Forum: A Class on Classification](#)

November 29
[Reaction Searching on STN](#)

[Register now!](#)

STN Patents and Pizza in Alexandria, VA

October 11
[Advanced Structure Search Techniques - Focus on Building Generic Structures](#)

November 8
[Medical and Pharmaceutical Databases on STN](#)

STN Patent Forum

October 10
New Brunswick, New Jersey
[STN Patent Forum at NE PIUG Meeting](#)

[Register now!](#)

The usual minimum stem length for left truncation is three to four characters. You can use HELP TRUNCATION for more information. To limit by "AZO", we ANALYZE for terms that contain "AZO."

```
=> ANALYZE L1 1- TI AB IT ST WITH "AZO"
L2 ANALYZE L1 1- TI AB IT ST WITH "AZO":
  987 TERMS
```

You can display the terms in document descending order rather than based on occurrence to more accurately reflect the results.

SET DETAIL ON will allow you to see the term field codes.

```
=> SET DETAIL ON
SET COMMAND COMPLETED

=> DISPLAY DOC D 1-10 L2
L2 ANALYZE L1 1- TI AB IT WITH "AZO":
  987 TERMS
```

TERM #	# OCC	# DOC	% DOC	TI AB IT
1	648	264	8.49	PIOGLITAZONE/IT
2	470	226	7.27	ROSIGLITAZONE/IT
3	554	142	4.57	THIAZOLIDINEDIONE/IT
4	230	111	3.57	PIOGLITAZONE/AB
5	146	95	3.06	TROGLITAZONE/IT
6	148	73	2.35	ROSIGLITAZONE/AB
7	68	67	2.16	OMEPRAZOLE/IT
8	58	57	1.83	PIOGLITAZONE/TI
9	80	56	1.80	THIAZOLIDINEDIONE/AB
10	267	55	1.77	IMIDAZOLE/IT

To choose individual terms from the list, indicate which terms using the SELECT command.

```
=> SELECT 1-4
E1 THROUGH E4 ASSIGNED

=> DISPLAY SELECT
```

E#	FILE	FREQUENCY	TERM
E1	HCAPLUS	648	PIOGLITAZONE/IT
E2	HCAPLUS	554	THIAZOLIDINEDIONE/IT
E3	HCAPLUS	470	ROSIGLITAZONE/IT
E4	HCAPLUS	230	PIOGLITAZONE/AB

FIZ-Karlsruhe e-Seminars

October 11
Searching numeric property and polymer indexing on STN

October 20
Searching Numeric Property and Polymer Indexing on STN

October 25
Physical Property Searching in REAXYSFILE

October 25
Reaction Searching in REAXYSFILE

October 27
Physical Property Searching in REAXYSFILE

October 27
Reaction Searching in REAXYSFILE

November 8
Exploring the Derwent Drug File on STN

November 15
Exploring the Derwent Drug File on STN

November 29
Searching for Antibody Information on STN

[Register now!](#)

STN Virtual Classes

If you are new to database searching, you are encouraged to attend these classes in the order shown in the Learning Paths, since each one builds on concepts and skills covered in preceding sessions. Refer to the Learning Path for STN Virtual Classes (111.200) found in the Learning Solutions resource center.

[Register now!](#)

STN Open Practice Session

October 7
9:30 am – 11:30 am EDT

October 27
3:00 pm – 5:00 pm EDT

Alternatively, you can select all of the terms by using the ANALYZE L# query to further refine your search.

```
=> SEARCH L1 AND L2
SEARCH L2

L3 679516 L2
ALL TERMS IN L2 RETRIEVED.

SEARCH L1 AND L3

L4 894 L1 AND L3
```

When you SEARCH an ANALYZE L# (L2 in our example), STN will search that L# (L2), then perform the SEARCH L1 AND L3 automatically.

Problem solving sometimes requires novel solutions. Keep ANALYZE in mind the next time you run into a sticky situation with truncation limits.

Faced with a challenging search or require comprehensive results? Contact the expert research staff at [Science IP](#).

At Your Command

Join us each month to discover tips on how you can get the most out of the STN command language.

AUDIT the Results of Your TRANSFER Command

Do you ever need to see which answers did not match corresponding records in the target database when using the TRANSFER command?

SET AUDIT ON can be used to create an additional L-number of terms that did not match when:

- using the TRANSFER command or
- searching an ANALYZE L-number.

You can include the term PERM when using the SET command if you would like to have this additional information available in all future searches.

November 4
9:30 am – 11:30 am EST

November 17
3:00 pm – 5:00 pm EST

[Register now!](#)

Upcoming Trade Shows

October 10-14
New Brunswick, NJ
[PIUG Northeast Workshop](#)

October 16-19
Adelaide, Australia
[AusBioTech](#)

October 18-20
Kilkenny, Ireland
[EPO Patent Information Conference](#)

October 20-22
Washington, D.C.
[AIPLA](#)

October 23-26
Barcelona, Spain
[ICIC 2011](#)

October 27-28
Maryland
[Annual NIH Research Festival Exhibit](#)

October
Korea
[Korean Institute of Chemical Engineers Fall Meeting](#)

October
Korea
Korean Private University Library Association
Fall Conference

October
Taiwan
CONCERT

October
Columbus, OH
[BioOhio](#)

November 2-5
Charleston, SC
[Charleston Conference](#)

```
=> FILE CAPLUS

=> SET AUDIT ON PERM
SET COMMAND COMPLETED

=> SEARCH (ALGA# BLOOM OR EUTROPHICATION
OR RED TIDE) (S) (PREVENT? OR CONTROL?) AND
US/PC.B
L1 20 (ALGA# BLOOM OR EUTROPHICATION OR
RED TIDE) (S) (PREVENT? OR CONTROL?)
AND US/PC.B

=> FILE INPADOCDB

=> TRANSFER PATS WITH "US" L1 1-
L5 TRANSFER L1 1- PATS WITH "US" :
36 TERMS
L6 204 L5
L7 QUE TERMS FROM L5 WITH NO HITS:
19 TERMS

=> DISPLAY L7 1-
L7 QUE TERMS FROM L5 WITH NO HITS:
19 TERMS

TERM # TERMS
-----
1 US20020123126/PATS
2 US20020123128/PATS
3 US20040154990/PATS
4 US20040173523/PATS
5 US20050006316/PATS
```

Discover additional information on how to use TRANSFER at [Mastering STN Commands - TRANSFER](#)

Be sure to join us next month for another opportunity to take command of your search.

Dr. Anna Vist, A&V Pro



This Month's Lesson: Updating your Concept Frequency in STN® AnaVist™ Projects

Dear reader,

Interested in improving your STN AnaVist skills? Here I present the second in a three-part feature on altering your project's

Search Tip of the Month

Refresh Your Sequence Search Skills - Sequence and Keyword Searching in DGENE

DGENE (Derwent GENESEQ™ database), a value-add sequence database on STN, encompasses several database fields with enriched data content gathered and created by expert indexers. This search tip shows the unique feature to combine sequence and keyword searching on STN. [Download the full article >>](#)

CAS Activities

Colors of Chemistry

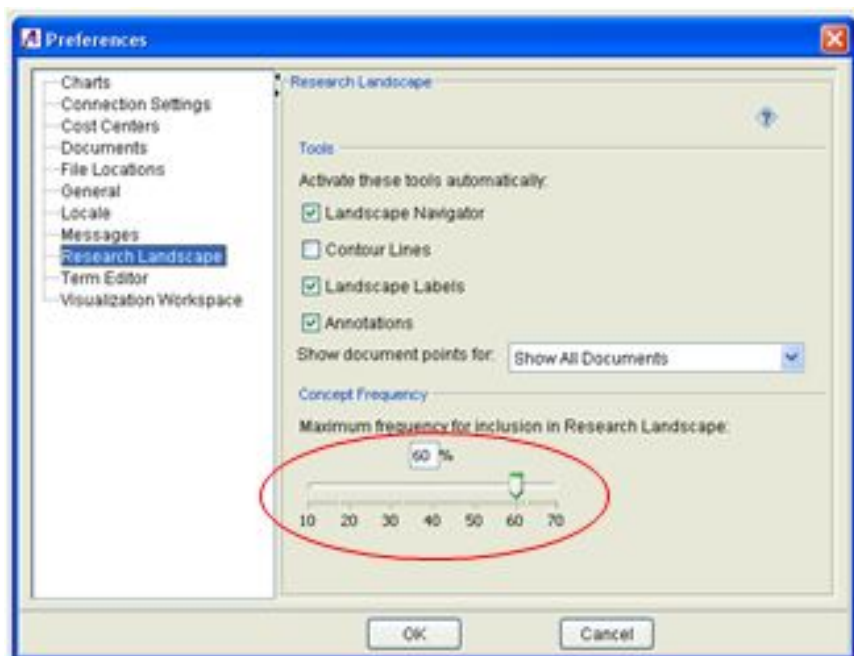


Eating a mushroom won't "make you grow taller" as the hookah-toting Caterpillar suggests in the 1865 novel *Alice's Adventures in Wonderland*. However, the classic red and white fly agaric mushroom (*Amanita muscaria*) contains substances that may lead you to believe that you tower above the trees. One hundred years after *Wonderland* was published, scientists identified two principal psychoactive substances in the fly agaric mushroom, ibotenic acid and its decarboxylated product, muscimol. Both substances mimic endogenous amino acids that function as neurotransmitters in the central nervous system. It seems quite possible that the *Wonderland* mushroom that helped Alice escape her "wretched" height of just three inches was inspired by the fly agaric mushroom. [Read more >>](#)

concept frequency to create alternative Research Landscapes within [STN AnaVist](#), a powerful interactive analysis and visualization software.

In September, we covered the basics about concept frequency and why it is important. Let's suppose that you either are starting a new STN AnaVist project or have already created an STN AnaVist project and wish to see alternative Research Landscapes. In either case, you should take note of and possibly adjust your Concept Frequency setting.

To do this, simply select Preferences from the Tools dropdown within the STN AnaVist interface. Then select Research Landscape, as depicted below:



You can easily alter the Concept Frequency by placing your cursor on the slider and dragging it to the desired setting. Just click OK and your change will take effect.

You will see the current Concept Frequency setting for your project the next time you open STN AnaVist.

I like to try a few alternatives, and I'll let you in on a little secret – creating alternative Research Landscapes (via subset visualizations) is free, and a great way to get value from your STN AnaVist project. Subset visualization may make it easier for you to study and/or interpret your results.

Next month we'll learn how to create alternative Research Landscapes using subset visualizations.

Always tend your landscape –research or otherwise.

Media Library



Global Warming: A Chilly Warmth

Explore how increased concentrations of greenhouse gases in the environment affect our atmosphere and climate.



International Year of
CHEMISTRY
2011

Cheerio,

Dr. Anna List

Patent Pending Patent Reform Overhauls U.S. Patent Systems

Signed into law on September 16, 2011, the Leahy-Smith America Invents Act (AIA) is designed to allow U.S. inventors to compete more effectively in the global market, improve patent quality and reduce patent litigation.

Major provisions of the reform include:

First to file replaces first to invent. The United States joins the rest of the patent world by adopting the now universal practice where the first inventor to submit an application has the right to claim that invention.

Post-grant review allows a petitioner who is not an owner of the patent to request a post-grant review within nine months of grant or reissue. The post-grant review is a request to cancel one or more claims on grounds relating to invalidity of the patent or claim. This provides a new option somewhat similar to the European post-grant opposition system.

Inter Partes review replaces *Inter Partes* Reexamination. A petitioner who is not an owner of the patent may request to cancel one or more claims of a patent under section 102 or 103 using only prior art consisting of patents or printed publications. A petition may be filed nine months after grant or reissue or after the termination of post-grant review.

Supplemental Examination is a new *ex parte* proceeding that allows a patent owner to “consider, reconsider or correct information believed to be relevant to the patent.” If this new information raises a substantial new question of patentability, a reexamination will be ordered without affecting the enforceability of the patent.

Other changes include:

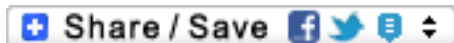
- 📌 **Fees increase** 15 percent with a concurrent reduction of 75 percent for “micro entity” applicants.
- 📌 Claims or patents can no longer be invalidated for failure to disclose **best mode**.
- 📌 **Subject matter patentability** disallows an invention (1) concerning a strategy to reduce, avoid or defer tax liability or (2)

directed to or encompassing a human organism.

- ✦ **Third party submission of prior art** will be considered for submission and inclusion in the record of the application.
 - ✦ **Satellite patent offices** can potentially be created.
 - ✦ Independent **genetic diagnostic testing** for gene patents and exclusive licensing for primary genetic diagnostic tests will be studied.
-



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