

Realise the benefits of STN

STN User Days June 2008

Are you getting the most out of STN?

...a look at the value STN adds to your searches

Why STN should be your first choice for:

- Chemistry searching
- Patent searching
- Sequence searching



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**Benefits of using STN
for Chemistry Information**

If scientists consider the tools they use to be sufficient

- A comprehensive search on STN provides additional value beyond what end user tools can offer:
 - **Breadth of content** on STN is not available in end user tools
 - **Searching functionality** such as multifile and Markush
 - **Skills of an information professional**
- **Your benefit is...**
 - Comprehensive search means **less wasted effort and time for your organization**
 - Advanced searching functionality allows for **more efficient searching** and **less scientist time** wading through answer sets

Surely chemistry information is available free from open access sources?

Remember that:

- For chemical information searches that are important to your business or require multiple types of chemical information:
 - STN provides comprehensive substance information, plus the important related information such as journal and patent literature, property data, reactions, regulatory information, and chemical catalogs all in one place
 - The intellectually curated databases on STN provide a much higher standard of data quality and added value
 - Data confidentiality (**secure server**)
 - Free, professional support and training resources to get questions answered quickly
- **Your benefit is...**
 - Getting all the types of chemical information you need in one place is **more efficient**
 - High data quality and reliability **saves time** and **protects your reputation**
 - Strong support **saves you time** and **improves your confidence in your results**
 - Better data security **protects your organization's novel work**

These issues are key to your organization's success!

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You have access to other hosts

STN offers superior content, tools, and search functionality in the area of chemical information:

- **The most current and complete versions of CAplus, Registry, and Beilstein all in one place**
 - CAplus is at least 30 days more current than CA Search on Dialog
 - STN provides information such as abstracts and CAS indexing not available on Dialog
 - You can easily move between all these databases on STN
- **The versions of many databases on STN contain Registry numbers for easy, comprehensive searching**
- **STN offers far more options and superior content for chemical structure searching than any other on-line host**
- **STN post-processing tools are specifically designed to work with data such as chemical structures and property data, providing a better looking final product**
- **Your benefit is...**
 - More complete and current content provides **more comprehensive results**
 - Better tools and functionality **save you time** and **frustration**
 - Better looking output **saves time** and **makes you look good**

You are not a chemist, or do not usually have to search chemical information

You don't have to be a chemist (or even a scientist) to be an effective searcher of chemical information on STN:

- **STN Easy, Wizards in STN Express, CASLINK, POLYLINK, and search assistants** in SToW provide help for less experienced searchers
- **Many databases on STN have powerful thesauri**, including the CA Lexicon, to help you gather all the relevant terminology
- Chemical structures you receive in .mol format from scientists can be used directly in STN Express
- **Workshops** are offered: in-house, public nearby, electronically via WebEx
- A high quality **Help Desk** is ready to assist you when needed
- **Your benefit is...**
 - **More to offer your “customers”**
 - **Provide greater value to your organization**
 - **Professional development**

10 key reasons why STN is the best place to search for chemical information:

1. The only place to search **Registry**, the most comprehensive source of chemical substance info
2. The **most current** and **comprehensive versions** of Chemical Abstracts and Beilstein
3. The searching power of **Registry numbers**
4. The complete chemical information searching toolbox
 - **Content**
 - **Searching functionality**
 - **Post-processing tools**
5. Searches are **secure** and are not being archived

10 key reasons why STN is the best place to search for chemical information:

6. **MARPAT**
7. **CASLINK**
8. **All the types of chemical information** you may need (substances, patents, literature, reactions, properties, catalogues, regulatory) **in one source**
9. Most **sophisticated chemical searching capability** available on the market
10. Free **Helpdesk** and **workshop programme**



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**Benefits of using STN for Patent
Information**

If you consider STN patent databases to be expensive, remember that

- In commercial databases like in STN you can do **high recall / high precision searches**:
 - Value-added databases with in-depth indexing: **some answers only detectable with the help of indexing!!**
 - **Standardization** of search and display fields
 - **Correction** of data
 - **Consistent cross file searching** because of number standardizations (e.g. Japanese and Indian patent numbers standardized in DWPI, CAPLUS and INPADOCDB)
- **Your benefit is...**
 - To work time efficient: **save time = save money!**
 - Your answer set is very **precise** and **comprehensive**
 - You can **tailor your price model**

Surely most information is also available via free of charge sources?

- **Not for in-depth patent searches** (prior art, freedom-to-operate, validity):
 - Identification of comprehensive and reliable answers **very time consuming in first level data** (no standardization, no indexing, no patent family reunion)
 - Trust in data confidentiality (**secure server**)
- **In addition, you have:**
 - Value-added and first level databases, patent and non-patent databases **under a unique platform**
 - A lot of **unique post-processing possibilities** (free software STN Express)
 - The power of Chemport / FIZ AutoDoc
- **Your benefit is...**
 - **High data reliability**
 - **High comprehensiveness** (no need to change between providers, all answer in one answer set after duplication check)
 - Prepare **high quality reports** for your superior

All this is good for your image as a professional searcher!

If you consider using retrieval language too complicated

It depends on your perspective:

- **Yes**, if you need patent searches very rarely, **but** than you may use **STNEasy or STN on the Web**
- **No** if you do **in-depth patent searches** (prior art, freedom-to-operate, validity). You need:
 - **Highly sophisticated retrieval possibilities** (variety of proximity operators, SLART, automatic abbreviation and plural searching ...)
- **In addition, you have:**
 - Easy to use **Search Assistants** on all STN platforms
 - **Workshops** offered: in-house, public nearby, electronically via WebEx
 - A high quality **Help Desk**
- **Your benefit is...**
 - **Time efficiency**
 - **Precision and comprehensiveness**
 - **Data reliability**
 - **High quality support**

10 good reasons to use STN Patent Files

1. Joint value of CAPLUS and DWPI, searchable together with standardized fields => **unique!**
2. Standardization of all the patent relevant numbers PN, AP and PRN in STN: consistent cross-file searching => **not in free sources!**
3. Use of "free-of-charge" FSEARCH and FSORT commands to create a patent family => **comprehensiveness.**
4. IPC Thesaurus available in all patent files
5. SLART in the Basic Index

10 good reasons to use STN Patent Files

6. A precise operator (T) for finding terms in the same hit term => important for chemical and engineering searches
7. Automatic abbreviation and plural searching
8. Multi-file search between patent and non-patent files possible => **broadest chemistry coverage.**
9. Most sophisticated search capability available on the market
10. Combination of sophisticated search options with **STN Viewer** and **STN AnaVist**



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Benefits of using STN sequence databases

STN[®] sequence searchable databases

- CAS REGISTRYSM
 - Chemical Abstracts Service (CAS) REGISTRY File
- DGENE
 - Thomson Scientific GENESEQTM
- PCTGEN
 - WIPO/PCT Patent Application Biosequences
- USGENE
 - The USPTO Genetic Sequence Database

Why use STN rather than other sequence searchable sources?

Unrivalled coverage:

- **REGISTRY** offers not only sequences from **patents from 51 active authorities**, but also from **>3000 journal publications >= UNIQUE!**
- **DGENE** provides sequences from the **basic patents of the 41 authorities of the Derwent World Patents Index**, and is routinely used by **all major patent offices**
- **Your benefit is...**
 - **Retrieving additional** sequence entries which are not available elsewhere

Why use STN rather than other sequence searchables sources?

Value-added content:

- **REGISTRY** is intellectually analyzed by **CAS scientists** who are experts in a variety of scientific disciplines
- **DGENE** includes **derived sequences** created by indexers from wording in the patent text, with explanations and annotations added
- **Your benefit is...**
 - **Retrieving** sequence entries which are not retrievable in electronic format
 - Guaranteed 99.995% **accuracy** in sequences independently double-keyed

Why use STN rather than other sequence searchable sources?

Superior timeliness:

- **USGENE** is updated weekly - with typical timeliness of 3 days
- **PCTGEN** is updated weekly - with typical timeliness of 24 hours
- **Your benefit is...**
 - Access to a suite of databases with **timeliness second to none**

Why use STN rather than other sequence searchable sources?

Complete sequence search:

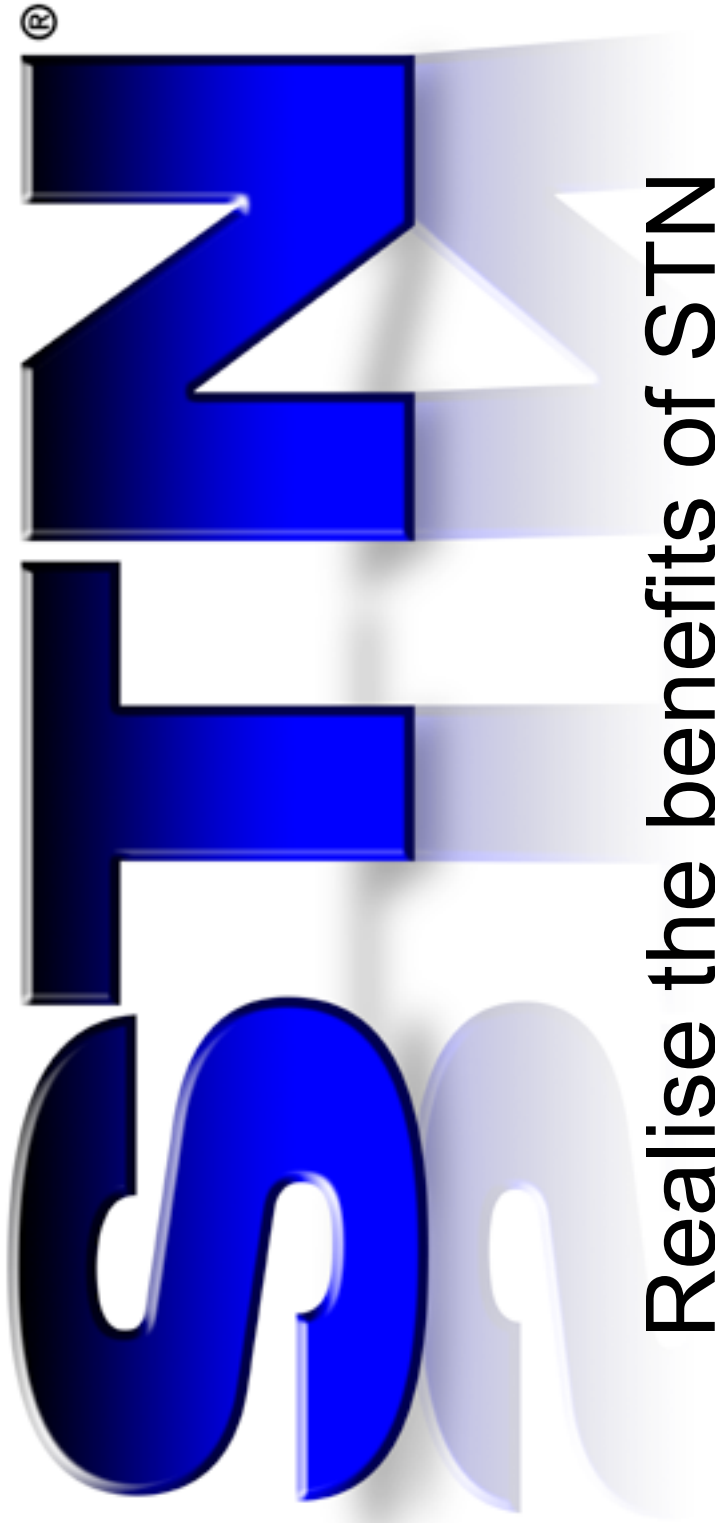
- **DGENE** covers **5 million WIPO** sequences, **2 million USPTO** sequences, plus significant numbers from the **EPO, JPO and others**
- **USGENE** provides sequences from both **USPTO granted patents** and **published applications**
- **Your benefit is...**
 - Access to a suite of databases with complete content coverage, so no need to manually merge and de-duplicate from several sources = **saves time!**

Why use STN rather than other sequence searchable sources?

- ✓ REGISTRY and DGENE have unrivalled authority coverage and significant unique value-added sequence content (especially for WIPO)
- ✓ STN databases e.g. DGENE are not created by using Optical Character Recognition (OCR) which is known to be very unreliable
- ✓ PCTGEN and USGENE provide superior timeliness, at least up to 14 days before any rivals
- ✓ A complete US patent sequence search is provided by USGENE

STN Resources

- A great deal of useful documentation is available for reference:
 - http://www.stn-international.de/training_center/mat_sea_stn.html
 - <http://www.stn-international.de/archive/presentations/4.htm>
 - <http://www.cas.org/support/stngen/stdoc/sequences.html>
- Documentation is updated quite frequently – look out for the flashing “New” signs!
- And if you need a little help with understanding genetics:
 - **Bluff Your Way in Genetics!!**
 - http://www.stn-international.com/training_center/bioseq/bluff.pdf



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