

233<sup>nd</sup> ACS National Meeting & Exposition  
Chicago, IL  
March 26, 2007

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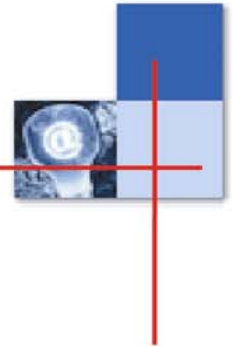


# Update On Questel's Merged Markush Service (MMS)

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# Agenda

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- **Background & Coverage**
- **Indexing and Structure Features**
- **Search Procedure**
- **New Enhancements**

# Merged Markush Service



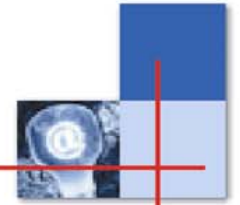
- Cooperative agreement between



- Exclusively hosted by



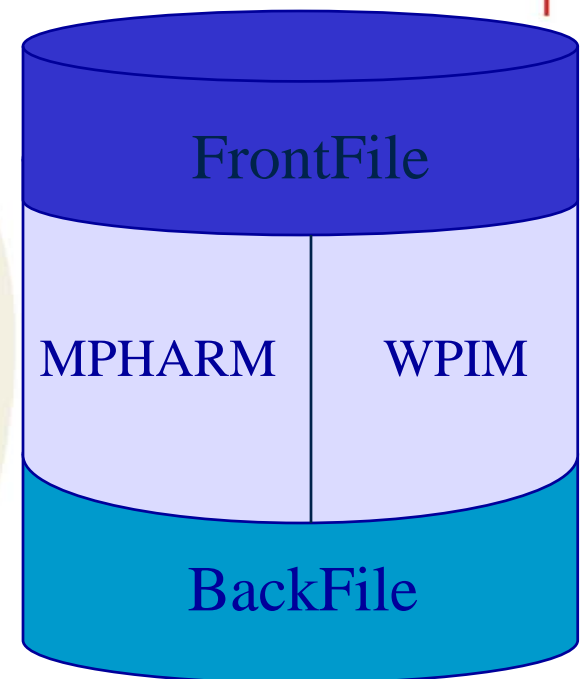
# Background



- The Markush DARC system is a topological search system that was developed in the 1980s. It was released in 1987 in two separate files:
  - **MPHARM** – produced by INPI
  - **WPIM** – produced by Thomson
- The two databases were loaded onto the Questel platform and searched separately

# Background

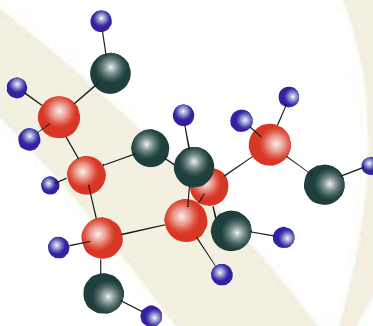
- In 1998, the Merged Markush System (MMS) was created so that a single search with similar commands could be run across both databases
- The system was supplemented by both a front file for new records and a back file for older records. There are presently four segments in MMS
  - **FRONTF** – 1998-present
  - **WPIM** – 1987-1998
  - **MPHARM** – 1987-1999
  - **BACKF** – 1961-1986



# Background



- **MMS now contains over 2.1 million structure records representing over 600,000,000 specific real and prophetic structures**



# Background



- In 2004, MMS was transferred onto a UNIX operating system
- UNIX brought:
  - Faster searches, steady performance
  - 1,000,000 Compound Numbers as a limit for the RE candidate search
  - Query processing in one search statement at one fee
  - More user-friendly structure display
  - Improved help menus

# Indexing Codes



## Indexing codes

- Atoms
- Shortcuts
- Superatoms
  - Superatom attributes
- G groups

# Indexing Codes



- **Atoms:**
  - All atoms from the Mendeleev periodic table
- **Shortcuts:**
  - Carbon chains: ET, NPR, IPR, NBU, SBU, TBU, IBU, Cn (C1, C2 ... )
  - Benzene ring: PH, OBE, MBE, PBE
  - Functions: CO1, CO2, SO2, SO3, PO3, PO4, CN, NO2, ACE

# Indexing Codes



## Superatoms:

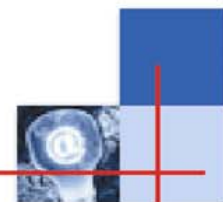
### Acyclic hydrocarbons:

- CHK** Alkyl or alkylene
- CHE** Alkenyl or alkenylene
- CHY** Alkynyl or alkynylene

### Carbocyclic hydrocarbons:

- ARY** Carbocyclic system, optionally fused, containing at least one benzene ring (aryl)
- CYC** Cycloaliphatic, optionally fused, non-aromatic carbocycle

# Indexing Codes

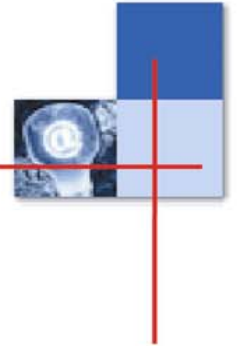


- **Superatoms:**

- **Heterocycles:**

- **HEA** Monocyclic aromatic heterocycle
- **HET** Monocyclic nonaromatic heterocycle
- **HEF** Fused heterocycle

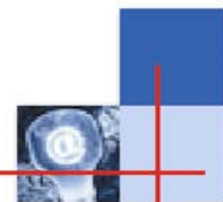
# Indexing Codes



## Metal Superatoms:

<b>MX</b>	Any metal
<b>AMX</b>	Alkali or alkaline earth metals
<b>A35</b>	Group IIIA - VA metals
<b>TRM</b>	Transition metals (excluding lanthanum)
<b>LAN</b>	Lanthanides (including lanthanum)
<b>ACT</b>	Actinides

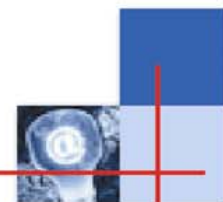
# Indexing Codes



## Other Superatoms:

<b>HAL</b>	Halogens
<b>ACY</b>	Acyls
<b>PRT</b>	Protecting group
<b>POL</b>	Polymer or polypeptide residue
<b>DYE</b>	Dye group residue
<b>XX</b>	Any atom or group excluding hydrogen (display only)

# Indexing Codes



- **Acyclic hydrocarbon attributes:**

Chain length

<b>LO</b>	Low (1 to 6 carbon atoms)
<b>MID</b>	Middle (7 to 10 carbon atoms)
<b>HI</b>	High (11 or more carbon atoms)

Chain type

<b>STR</b>	Straight
<b>BRA</b>	Branched

- **Cyclic system attributes:**

Ring type

<b>MON</b>	Monocyclic
<b>FU</b>	Fused

Degree of saturation

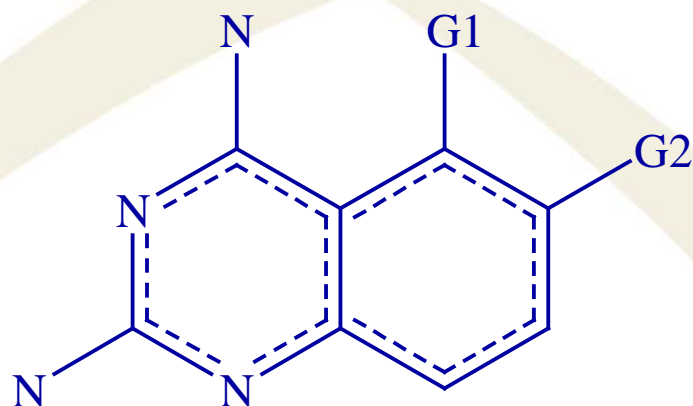
<b>SAT</b>	Fully saturated
<b>UNS</b>	Unsaturated

# Indexing Codes



- **G groups**

Fixed part



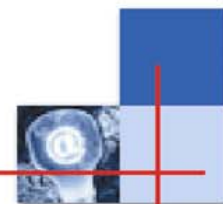
Variable part

$G1 = -C ; -ET ; -CHK^{LO}$

*Indexers allowed 50 G groups, 4 levels of nesting, 1023 atoms*

# Indexing Conventions

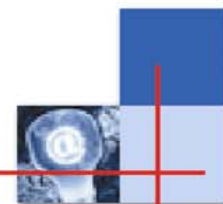
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## Structure representation conventions:

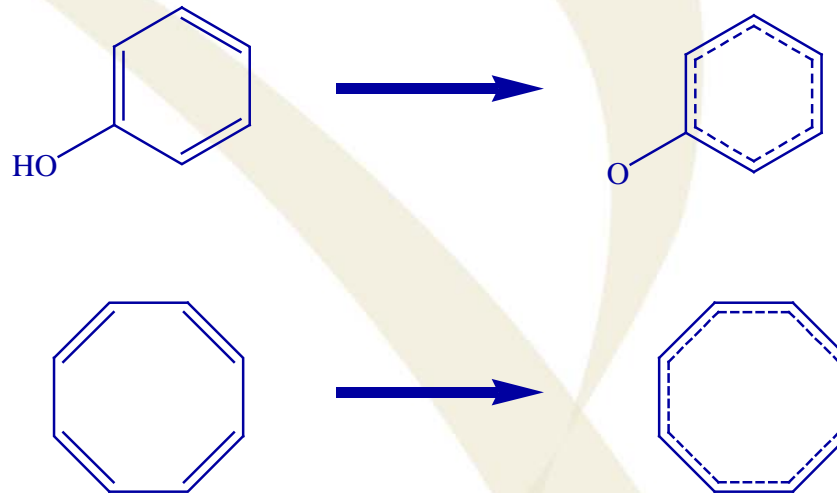
- Bond Normalization
  - Aromaticity
  - Tautomerism
  - Enol-Keto tautomerism

# Indexing Conventions



- **Aromaticity**

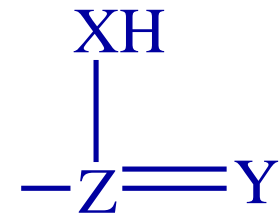
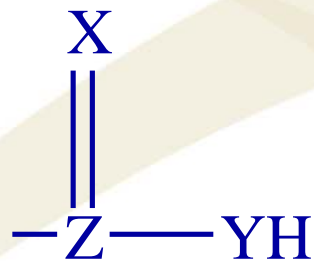
The bonds in rings containing  $2n$  atoms with  $n$  alternating single and double bonds are normalized. This normalization takes priority over other rules such as tautomerisation.



# Indexing Conventions



## • Tautomerism

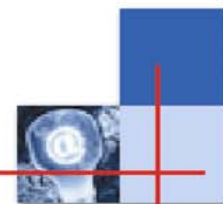


Where:

*X, Y are O, S, Se, Te, N*

*Z is B, C, Si, N, P, As, S, Se, Te, F, Cl, Br or I*

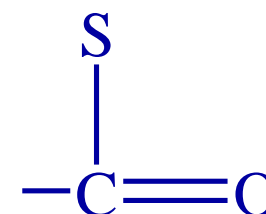
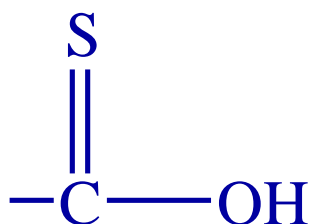
# Indexing Conventions



- **Tautomerism**

If X and Y are different, the double bond is placed preferentially on the bond to the atom which is first in the sequence:

**O, S, Se, Te, N**

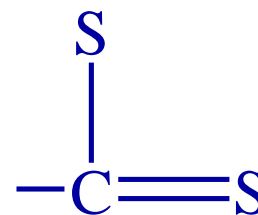
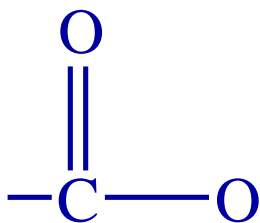


# Indexing Conventions

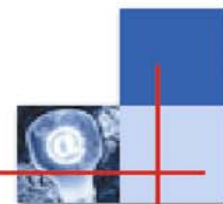


- **Tautomerism**

If X and Y are the same but not N, one double bond and one single bond are used.

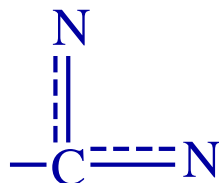


# Indexing Conventions

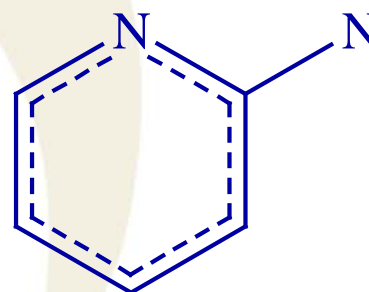


- **Tautomerism**

If both X and Y are N, normalized bonds are used.

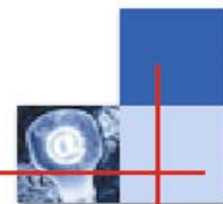


but



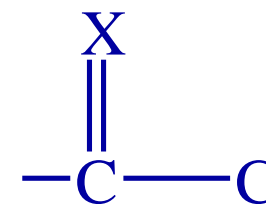
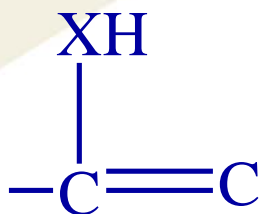
**Note:** This rule IS NOT applied to amino groups on normalized ring systems in which case the amino group is attached by a single bond

# Indexing Conventions



- **Enol-Keto Tautomerism**

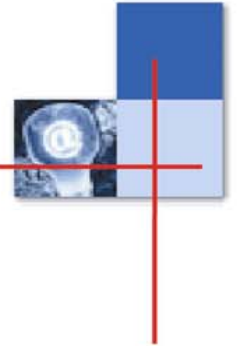
If the heteroatom is O, S, Se, or Te, the keto form is preferentially indexed



X = O, S, Se, Te

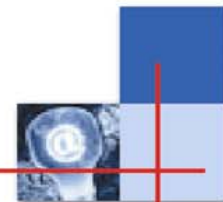
# Special Structure Features

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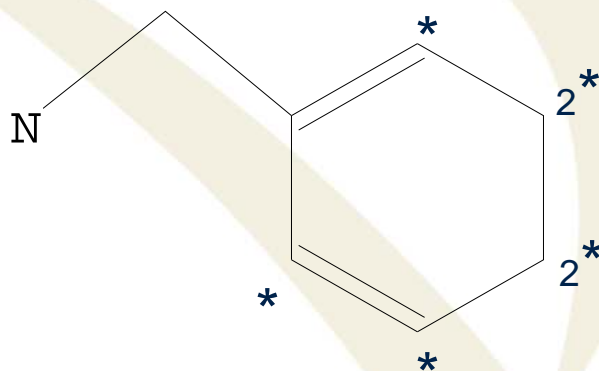
- **Free Sites**
- **Variable Points of Attachment**
- **Translation**

# Special Structure Features



- **Free Sites**

- By default, the nodes of an MMS structure are not substituted. Substitution is opened only when Free Sites are specified.



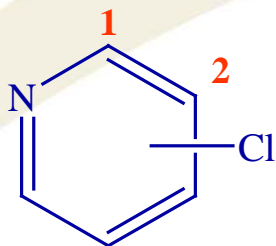
1 and 2 Free sites  
specified on ring

# Special Structure Features



- Variable Points of Attachment

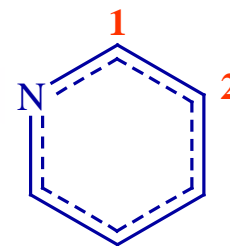
## Question



*Chlorine may be connected to positions 1 or 2*

*will be input*

## Query



#—Cl

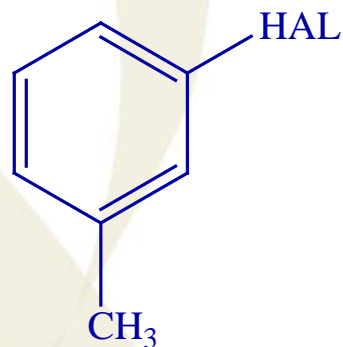
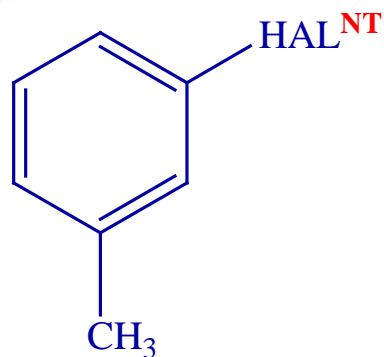
*While specifying that the # atom (dummy atom) can be connected to positions 1 or 2*

# Special Structure Features

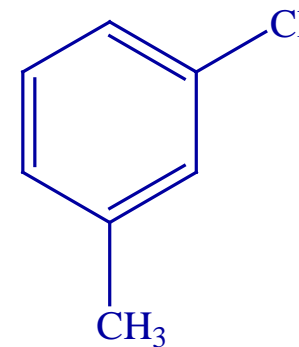


- Translation
  - Narrow translation will retrieve any specific moiety from a chemical group

Query

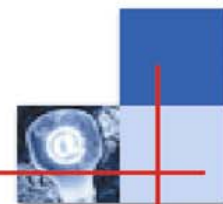


and



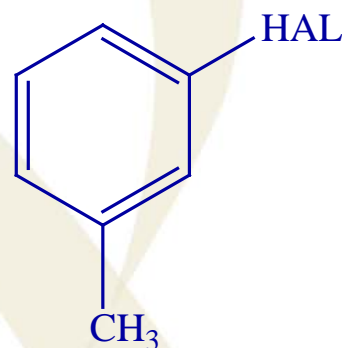
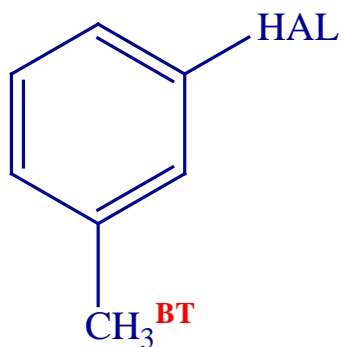
MMS

# Special Structure Features

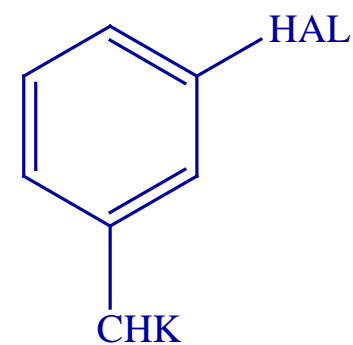


- Translation
  - Broad translation will retrieve a chemical group from any specific moiety

Query

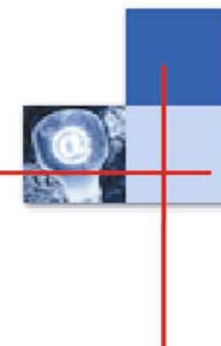


and



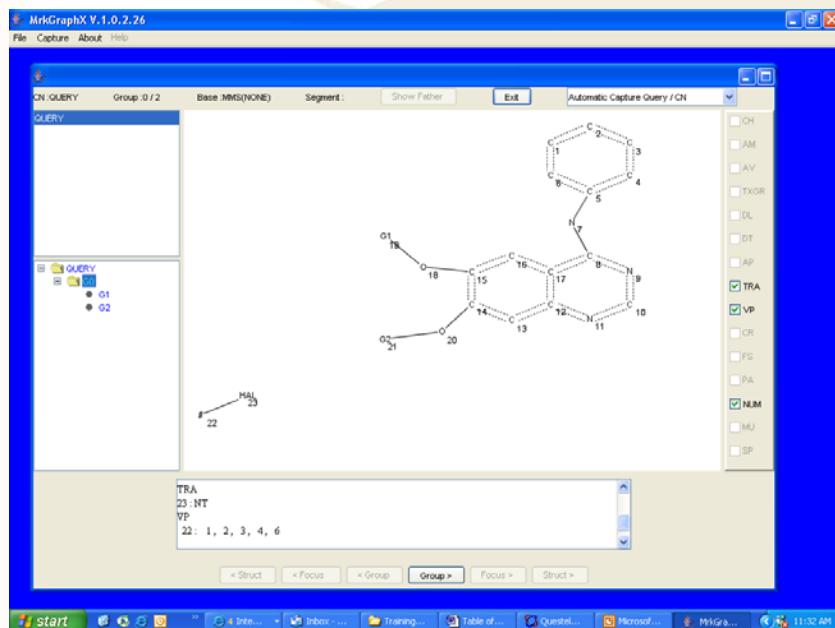
MMS

# Search Procedure

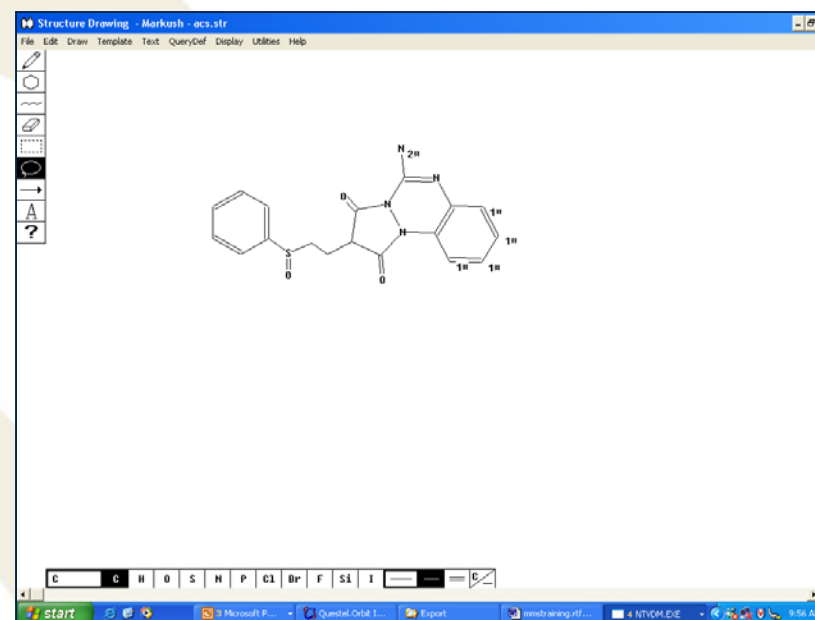


Structure can be entered using:

Text Query Input



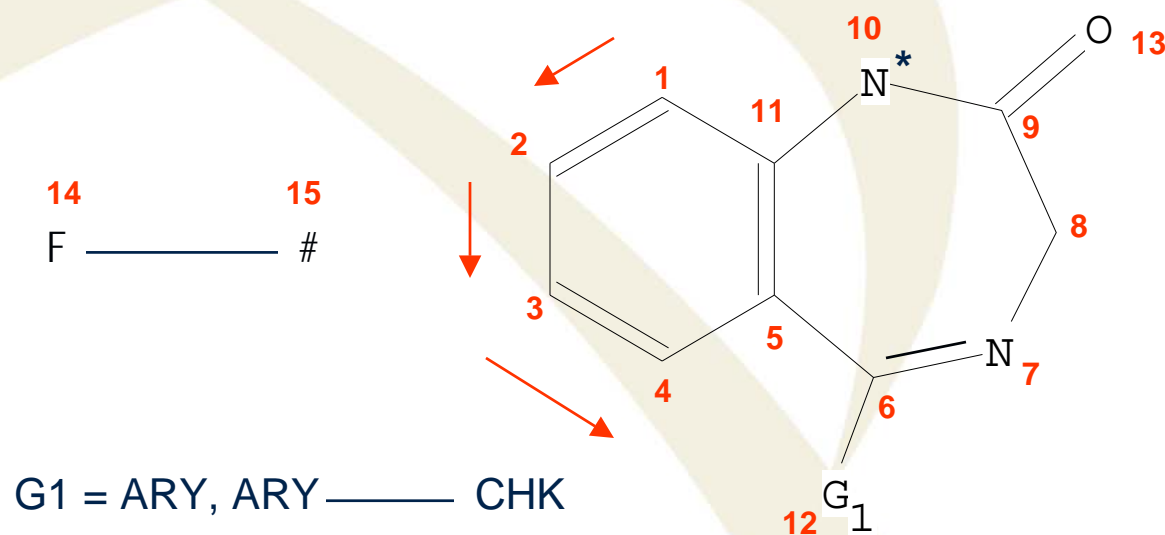
TOPFRAG Software



# Text Query Input



- The query is drawn using MMS. This query will include Superatoms, Variable Points of Attachment and G groups.
- As a first step, each node of the parent compound (G0) is numbered in sequence around the ring structure.

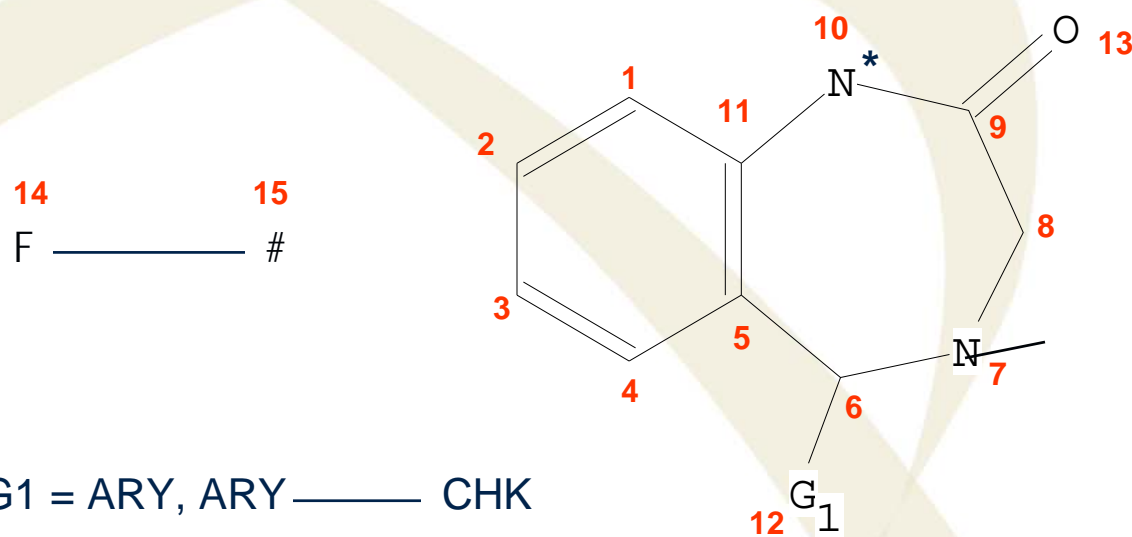


# Graph Input



For our structure, enter:

1:11-1, 5-11, 9-13, 6-12, 14-15



Verify by  
typing **VE**  
again to  
open viewer  
and check  
input

# Atom Input



Enter **AT** at QT prompt to enter **ATom** mode:

All atoms are assumed to be carbon.

For our structure, enter:

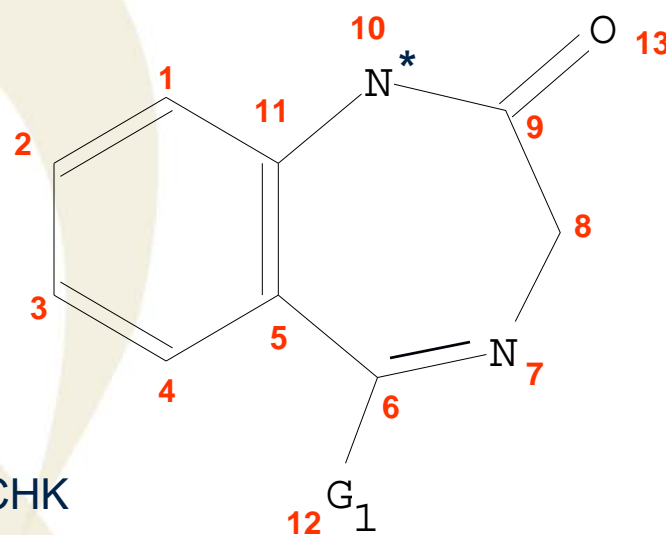
**N 7,10**

**O 13**

**G1 12**

**F 14**

**# 15**



# Bond Input



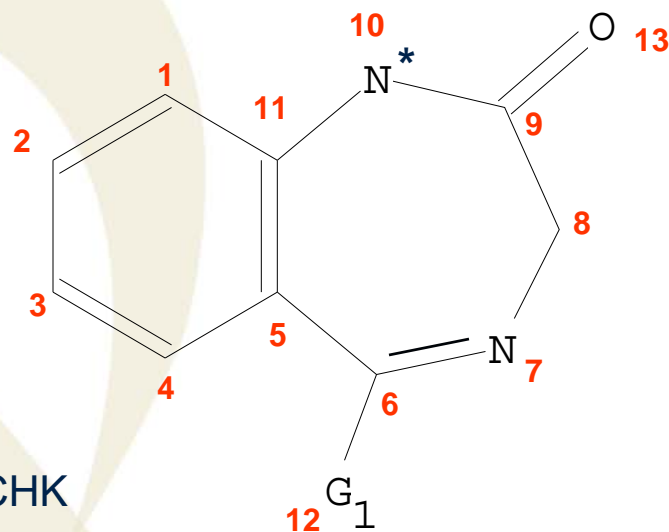
Enter **BO** at QT prompt to enter **BOND** mode:

All bonds are initially assumed to be single bonds.

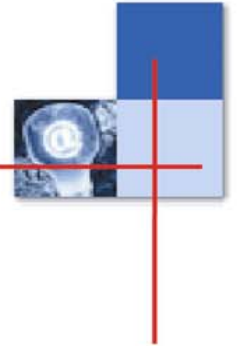
For our structure, enter:

**NO 1:5-11-1**

**DO 6-7, 9-13**



# Other Structure Input



- Enter Free Sites using **FS** command
- Enter Translation features using **TRA** command
- Enter Variable Points of Attachment using **VP** command
- Enter G groups (if any) using **GM** command and repeat procedure starting with **GR** command
- Enter any attachment points using **AP** command



CN : QUERY

Group : 0 / 0

Base : MMS(NONE)

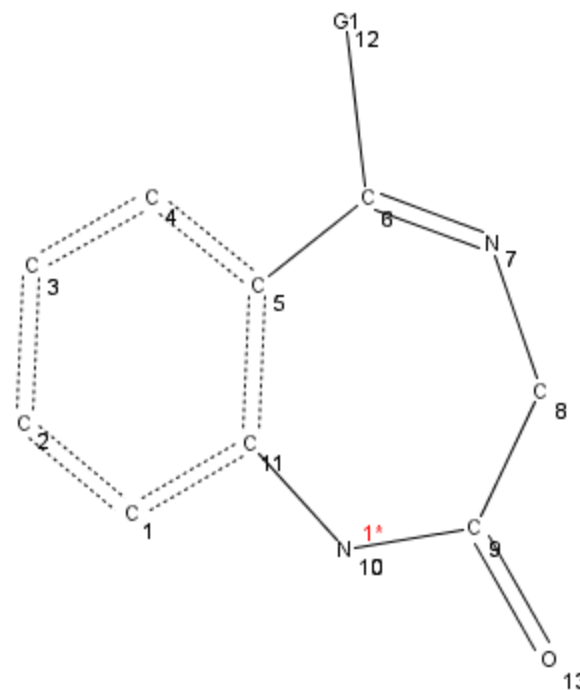
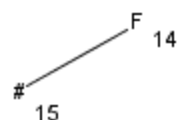
Segment :

Show Father

Exit

Automatic Capture Query / CN

QUERY

QUERY  
GO

Parent structure is finished.

- CH
- AM
- AV
- TXGR
- DL
- DT
- AP
- TRA
- VP
- CR
- FS
- PA
- NUM
- MU
- SP

VP  
15: 1, 2, 3, 4

&lt; Struct

&lt; Focus

&lt; Group

Group &gt;

Focus &gt;

Struct &gt;

CN : QUERY

Group : 1 / 1

Base : MMS(NONE)

Segment :

Show Father

Exit

Automatic Capture Query / CN

QUERY

QUERY

G0

G1

CHK<sub>3</sub> — ARY<sub>2</sub>

ARY<sub>1</sub>

- CH
- AM
- AV
- TXGR
- DL
- DT
- AP
- TRA
- VP
- CR
- FS
- PA
- NUM
- MU
- SP

G1 group is indexed and attachment points are added. Query is finished.

< Struct

< Focus

< Group

Group >

Focus >

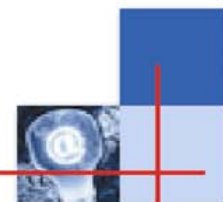
Struct >

# Search Procedure



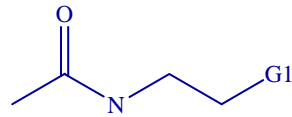
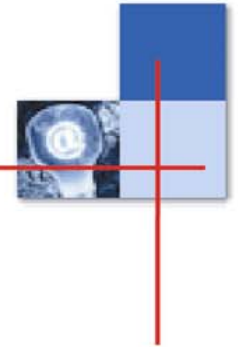
- Query is entered and searched for records with corresponding structures
- Each structure record has a Compound Number associated with it
- Compound Numbers (CNs) are transferred into two bibliographic patent databases on Questel-Orbit
  - Derwent World Patents Index (**DWPI**) produced by Thomson
  - Pharmaceutical Patents (**PHARM**) produced by INPI

# Search Procedure

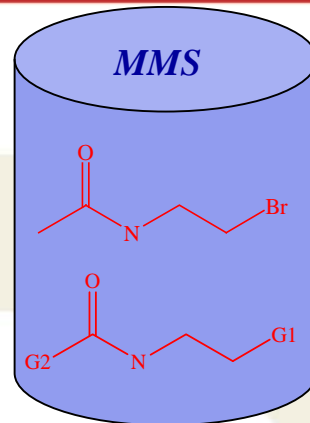


- A screening search called the **RE** (REtrieve candidates) search is run on query structure to retrieve a subset of structures containing fragments of the query structure
- The **AA** (Atom-by-Atom) search on the RE set is run to retrieve exact answers
- The CNs are transferred to the Questel-Orbit bibliographic system to retrieve the patent records in DWPI and PHARM

# Search Procedure

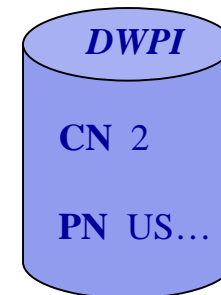
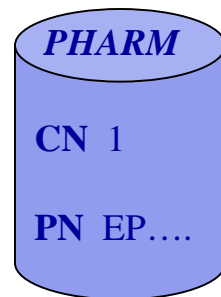


Structure search



CN link

CN link



The AA search is completed.  
There are CN 11 answers.

```
aa/r4  
  
*** AA ***  
  
Atom by Atom Search started on R set R04  
5 answers(s) for 2158 candidates (no rx candidate(s) )  
7 answers(s) for 5088 candidates (no rx candidate(s) )  
9 answers(s) for 9607 candidates (no rx candidate(s) )  
9 answers(s) for 15274 candidates (no rx candidate(s) )  
9 answers(s) for 20970 candidates (no rx candidate(s) )  
10 answers(s) for 26750 candidates (no rx candidate(s) )  
10 answers(s) for 32610 candidates (no rx candidate(s) )  
10 answers(s) for 39050 candidates (no rx candidate(s) )  
11 answers(s) for 45430 candidates (no rx candidate(s) )  
  
Removing duplicates  
Atom by Atom Search completed on R set R04  
- 11 answer(s) stored in R set R06  
R06 - AA / R04 : 11 answer(s)  
- ST - (BA,CN,QT,RF,RE,AA,SB,BL,INFO,HELP) ?
```

↑ - ST - (BA,CN,QT,RF,RE,AA,SB,BL,INFO,HELP) ?

```
LI 1-11
```

Type LI 1-11 to list answers.

File Edit Session Export Settings Window Help

cynthia.rf Markush Darc - Internet ?

- 11 answer(s) stored in R set R06  
R06 - AA / R04 : 11 answer(s)  
- ST - (BA, CN, QT, RF, RE, AA, SB, BL, INFO, HELP) ?  
11-11

R06 - AA / R04 : 11 answer(s)

1	CN = 84060152-01
2	CN = 75025005-01
3	CN = 78045411-01
4	CN = 78015302-02
5	CN = 90020299-01
6	CN = 68076110-01
7	CN = 85030146-01
8	CN = 9002-12202
9	CN = 9008-31802
10	CN = 9809-23501
11	CN = 0107-02103

?

↑ ?

01:01:28 Secured CAP

start 2 In... MOI1... Ques... Inbox... Micro... Micro... STN E... STN ... 11

The first seven answers will be found in the Pharm database.

The remaining answers will be found in DWPI.

8 CN = 9002-12202  
9 CN = 9008-31802  
10 CN = 9809-23501  
11 CN = 0107-02103  
?  
- ST - (BA, CN, QT, RF, RE, AA, SB, BL, INFO, HELP) ?  
sv cn webex1

I've named my list "WEBEX1"

Saving in progress  
.  
.  
The following set was saved successfully

#.	Name	CN	Search File	Date
16	webex1	11	AA R04	2005-05-09

- ST - (BA, CN, QT, RF, RE, AA, SB, BL, INFO, HELP) ?  
- ST - (BA, CN, QT, RF, RE, AA, SB, BL, INFO, HELP) ?

The CN list has been saved

You must save your CN list before switching to the bibliographic files.  
Type **SV CN <name>**

01:06:46 Secured

start 2 In... MOI1... Ques... Inbox... Micro... Micro... STN E... STN ...

8 CN = 9002-12202  
9 CN = 9008-31802  
10 CN = 9809-23501  
11 CN = 0107-02103  
?  
- ST - (BA, CN, QT, RF, RE, AA, SB, BL, INFO, HELP) ?  
sv cn webex1  
↑  
Saving in progress  
.  
.  
The following set was saved successfully

#.	Name	CN	Search File	Date
16	webex1	11	AA R04	2005-05-09

- ST - (BA, CN, QT, RF, RE, AA, SB, BL, INFO, HELP) ?  
↑ - ST - (BA, CN, QT, RF, RE, AA, SB, BL, INFO, HELP) ?  
..BI

Type **..BI** to enter bibliographic files.

01:06:46 Secured

start 2 In... MOI1... Ques... Inbox... Micro... Micro... STN E... STN ...

	FULL SEARCH	1	90.0	USD
	LI	11	1.1	USD
MMS	- Time (hours) :	1.34	49.56	USD
	Estimated cost for the database :	----->	141.66	USD
	Estimated total session cost :	----->	141.66	USD

Thank you for using MMS, see you later

=> QuestelOrbit

"true" /> (C) QUESTEL 1994

QUESTEL.ORBIT (TM) 1998

09/05/05 17\*49\*01

Last connection: 06/05/05 07\*37\*36

WELCOME to QUESTEL.ORBIT- Your Guide to INTELLECTUAL PROPERTY  
www.questel.orbit.com - Gateway, documentation & IP resource  
- Times of operation of Questel.Orbit service, see INFO HOURS  
- Enhanced SDI Email Delivery with Links to Download Results  
- New Export Feature: improved offline options - INFO EXPORT  
- PatentExaminer portfolio manager available - INFO PATEXAM  
- 2005 Euro and US Dollar price lists available from website  
- Research Disclosure file now available - enter: INFO RDISC  
- \*FAMPAT worldwide family file released. Details on website

..FILE / ..INFO / ..GUIDE ?

Terminal Services Results

FILE PHARM|

Type **FILE PHARM** <enter>  
to enter the Pharm database.

01:26:07

Secured

CAPS

QUESTEL - Time in minutes : 7,53  
The cost estimation below is based on Questel's standard price list

Estimated cost : 8.15 USD  
Cost estimated for the last database search : 8.15 USD  
Estimated total session cost : 8.15 USD

Selected file: PHARM

Period covered: weeks 7801-9952 (US), 7801-9952 (EP), 7801-9952 (FR)  
8410-9952 (DE and GB), 8308-9952 (PCT). BSM: full collection.  
Backfile indexing continues as usual but no further indexing concerning the Frontfile will take place in 2001. A replacement service is being designed to allow any further searching.

▼ 1 - \*MD WEBEX1/CN - 7

Type \*MD WEBEX1/CN to recall and search the WEBEX1 CN list.

\*\* SS 1: Results 7

There are seven records in Pharm.

↑ SS 2 >

Terminal Services Results

- PHARM
  - 1 - \*MD WEBEX1/CN - 7

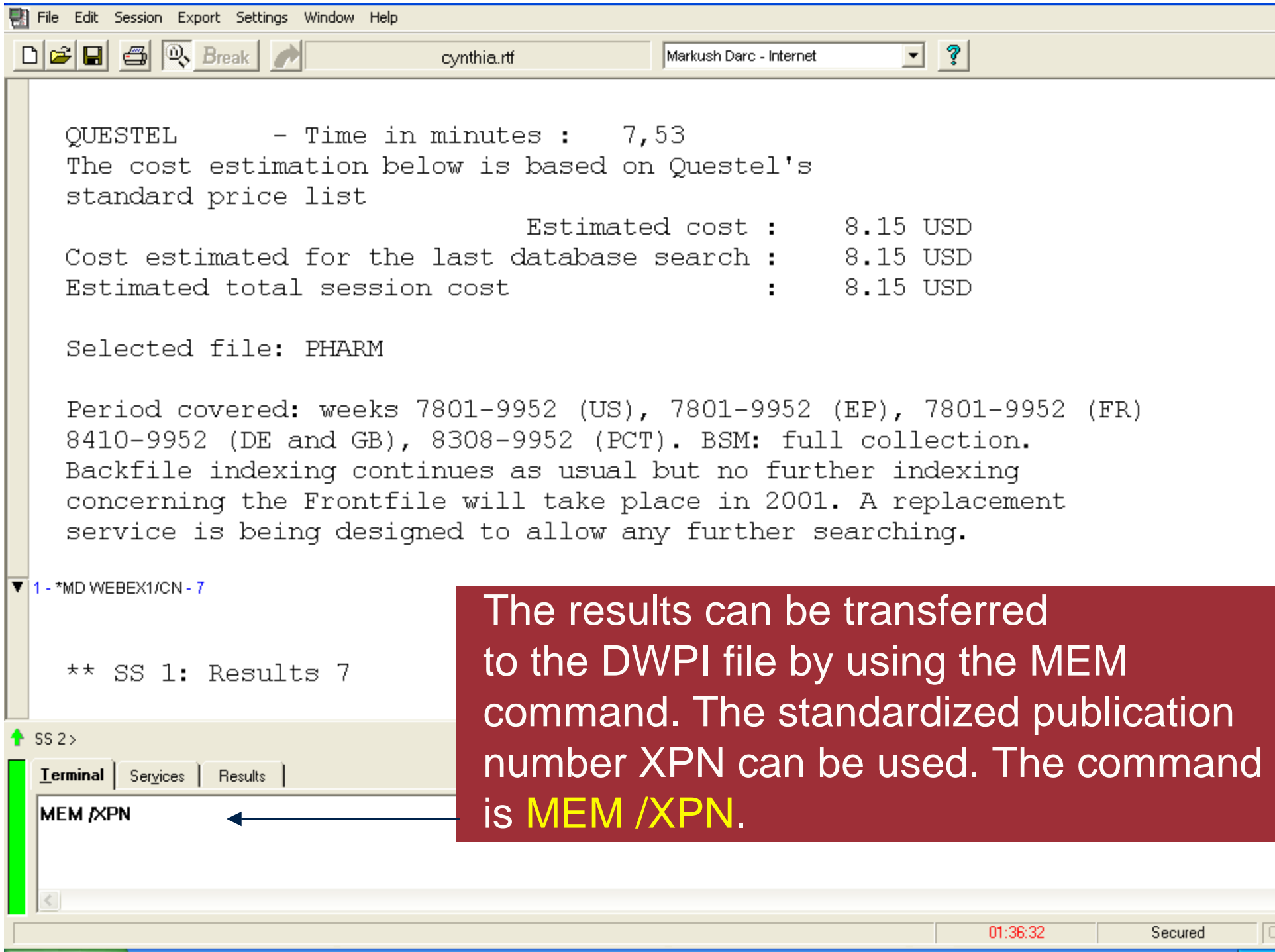
Display

Preview

Range:  All

1-7

Help OK



The results can be transferred to the DWPI file by using the MEM command. The standardized publication number XPN can be used. The command is **MEM /XPN**.

standard price list

Estimated cost :	8.15 USD
Cost estimated for the last database search :	8.15 USD
Estimated total session cost :	8.15 USD

Selected file: PHARM

Period covered: weeks 7801-9952 (US), 7801-9952 (EP), 7801-9952 (FR)  
8410-9952 (DE and GB), 8308-9952 (PCT). BSM: full collection.  
Backfile indexing continues as usual but no further indexing concerning the Frontfile will take place in 2001. A replacement service is being designed to allow any further searching.

▼ 1 - \*MD WEBEX1/CN - 7

\*\* SS 1: Results 7

▼ MEM /XPN

Total number of terms extracted:	22
Number of terms added to MEM1 :	22
First term introduced for extraction:	1

↑ SS 2 >

Terminal | Services | Results

FILE DWPI|

01:39:49 Secured

start [Taskbar icons: 2 In..., MOI1..., Ques..., Inbox..., Micro..., Micro..., STN E..., STN ...]

Once results are MEMed, switch to the DWPI file by typing **FILE DWPI.**

File Edit Session Export Settings Window Help

cynthia.rtf Markush Darc - Internet ?

Estimated cost : 33.54 USD  
MEM scanned records : 7  
Estimated cost : 0.63 USD  
Cost estimated for the last database search : 34.17 USD  
Estimated total session cost : 42.32 USD

Selected file: DWPI

Welcome to Derwent World Patent Index, (c) Derwent Information Ltd  
UP (basic), UE(equiv), UA (poly), UB (chem) : updates thru 2005-28  
Announcing availability of Fragmentation Code Enhancements: B,C,E,  
Fragmentation codes harmonised for searching of the pre-1981 data.  
For further details, contact your local Questel.Orbit help-desk.  
Last database update : 2005/05/05 (YYYY/MM/DD)

▼ 1 - \*MEM /XPN - 11

\*\* SS 1: Results 11

↑ SS 2 >

Terminal Services Results

- PHARM
- DWPI
  - 1 - \*MEM /XPN - 11

Help OK

01:42:07 Secured

Type **\*MEM /XPN** to recall and search the numbers in your MEM list.

There are 11 records in DWPI corresponding to the 7 records in Pharm.

File Edit Session Export Settings Window Help

cynthia.rtf Markush Darc - Internet

```
standard price list
Estimated cost : 33.54 USD
MEM scanned records : 7
Estimated cost : 0.63 USD
Cost estimated for the last database search : 34.17 USD
Estimated total session cost : 42.32 USD

Selected file: DWPI

Welcome to Derwent World Patent Index, (c) Derwent Information Ltd
UP (basic), UE(equiv), UA (poly), UB (chem) : updates thru 2005-28
Announcing availability of Fragmentation Code Enhancements: B,C,E,
Fragmentation codes harmonised for searching of the pre-1981 data.
For further details, contact your local Questel.Orbit help-desk.
Last database update : 2005/05/05 (YYYY/MM/DD)

▼ 1- *MEM /XPN - 11

** SS 1: Results 11

↑ SS 2>
```

**Terminal** Services Results

```
*MD WEBEX1/CN
```

01:49:30 Secured

Type **\*MD WEBEX1/CN** to recall and search the Derwent MMS results

File Edit Session Export Settings Window Help

cynthia.rtf Markush Darc - Internet ?

Cost estimated for the last database search : 34.17 USD  
Estimated total session cost : 42.32 USD

Selected file: DWPI

Welcome to Derwent World Patent Index, (c) Derwent Information Ltd  
UP (basic), UE (equiv), UA (poly), UB (chem) : updates thru 2005-28  
Announcing availability of Fragmentation Code Enhancements: B,C,E,  
Fragmentation codes harmonised for searching of the pre-1981 data.  
For further details, contact your local Questel.Orbit help-desk.  
Last database update : 2005/05/05 (YYYY/MM/DD)

▼ 1 - \*MEM /XPN - 11

\*\* SS 1: Results 11

▼ 2 - \*MD WEBEX1/CN - 4

\*\* SS 2: Results 4

↑ SS 3 >

Terminal Services Results

1 or 2 ←

01:51:50 Secured

**There are 4 results in DWPI**

**Combine the results by ORing the two search sets.**

File Edit Session Export Settings Window Help

cynthia.rtf Markush Darc - Internet

▼ 1 - \*MEM /XPN - 11

\*\* SS 1: Results 11

▼ 2 - \*MD WEBEX1/CN - 4

\*\* SS 2: Results 4

There are 15 records in Derwent that contain all of the MMS results

▼ 3 - 1 or 2 - 15

\*\* SS 3: Results 15

↑ SS 4 >

Terminal Services Results

- PHARM
- DWPI
  - 1 - \*MEM /XPN - 11
  - 2 - \*MD WEBEX1/CN - 4
  - 3 - 1 or 2 - 15

Display

Preview

Range:  All

1-10

Help OK

01:57:16 Secured

2115 DWPI - Derwent World Patents Index

(C) Thomson Derwent 1999

**Title** *Treating neuro-cardiogenic syncope - with benzodiazepine derivatives such as clonazepam reduces side-effects*

**Patent Data**

- Patent Family** US5706829 A 19980113 DW1998-09 A61B-019/00 9p \*AP: 1996US-0660798 19960606
- Priority n°** 1996US-0660798 19960606
- Covered countries** 1
- Publications count** 1

**Abstract**

**Basic Abstract**

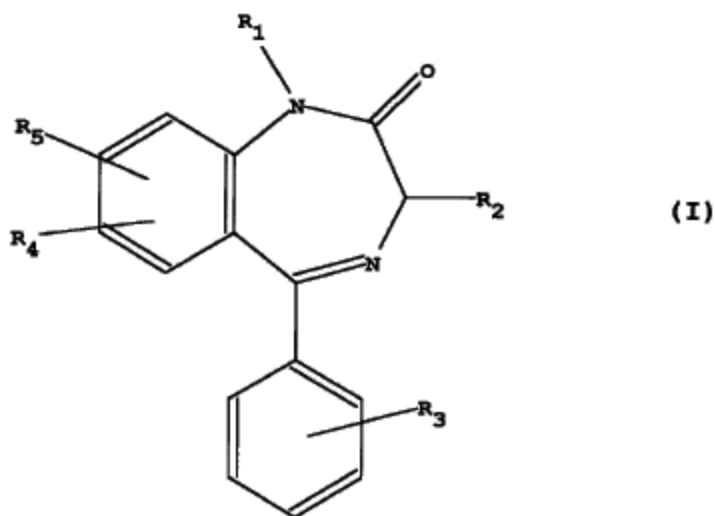
US5706829 A Treating neuro-cardiogenic syncope comprises administering a benzodiazepine derivative of formula (I) or its salt at a rate of 0.5 mg-1.5 kg/day to adults or 0.01-0.05 mg/kg/day to children. Either (1) R1, R2, R5 = H or lower alkyl; and R3, R4 = H, halo, lower alkyl, NO2, amino, CF3 or lower acylamino; provided that at least one of R3 and R4 is an N-containing group; or (2) R1, R2, R5 = H; R3 = halo; and R4 = halo, NO2 or CF3. Especially, R1, R2, R5 = H; R3 = Cl; and R4 = NO2; such that (I) = clonazepam.

USE - The method is used to treat neuro-cardiogenic syncope i.e. clinical syndromes of syncope which result from inappropriate and often excessive, autonomic reflex activity and manifest as abnormalities in the control of vascular tone and heart rate, including carotid sinus syndrome, vasovagal syncope and the syndromes of cough, deglutition and micturition syncope.

ADVANTAGE - The very small daily doses required provide a safer side-effect profile than the side-effect profiles seen with traditionally prescribed medicines.

**Image**

**Drawing**



Use **PRT MAX IMG** to display records with embedded images.

**Image Copyright** Thomson Derwent

**Patentee, Inventor**

- Patent assignee** (UYCR-) UNIV CREIGHTON
- Inventor(s)** KADRI NN

# Bibliographic Search Summary 1



- Type **..BI** to enter bibliographic system
- Type **FILE PHARM** to enter Pharm database
- Type **\*MD <name>/CN** to recall MMS results
- Type **MEM /XPN** to save publication numbers in a temporary (MEM1) list

# Bibliographic Search Summary 2



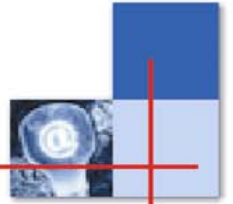
- Type **FILE DWPI** to enter Derwent database
- Type **\*MEM /XPN** to recall answers from Pharm and search saved MEM list in DWPI
- Type **\*MD <name>/CN** to recall MMS results
- Type **1 OR 2** to combine all results in DWPI

# New Enhancements-SDI



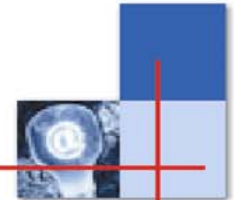
- **SDIs**
  - **Clients can now run weekly and monthly alerts (SDIs) for chemical structure queries**
  - **SDI setup and editing is easy**
  - **Clients are notified by email and results are sent as a compound number list**

# New Enhancements-SDI



- **SDIs**
  - **SDI Compound Number lists can be accessed the same as search results are:**
    - through the Merged Markush Service and then transferred to the QO bibliographic service
    - directly by running the **\*MD** command on the answer list in the bibliographic service.

# New Enhancements-SDI



## Sample Email notification:

Questel-Orbit MMS SDI

UserId: 04201:N1

Your [2] Questel-Orbit MMS SDI have been processed on 04/02/2006.

SDI - **imidazole** has 3 answers.

To access this SDI in MMS, type RF SDI imidazole

To access the patent documents in DWPI, recall the Markush Darc list as \*MD imidazole

SDI - **imidazole2** has 22 answers.

To access this SDI in MMS, type RF SDI imidazole2

To access the patent documents in DWPI, recall the Markush Darc list as \*MD imidazole2

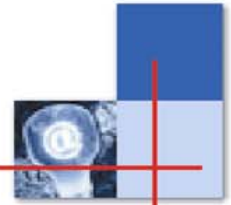
To consult your result, please connect to MMS server on Questel-Orbit.

Please contact your local Questel-Orbit Helpdesk if you have any questions.

Thank you for using Questel-Orbit.

The MMS team.

# New Enhancements-SDI



- ST - (BA,CN,QT,RF,RE,AA,SB,BL,INFO,HELP) ?

rf sdi imidazole2

Recalling an SDI in MMS

Recall in progress of SDI imidazole2

The following request was recalled successfully :

#.	Name	Last Date	Answ.
1	imidazole2	2006-02-18	22

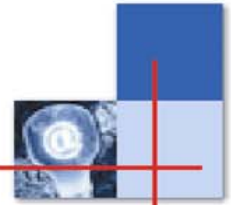
The answers and the optional RX candidates were placed in the answer set : R01

#.	Name	Search Database	answer(s)	RX	RX File
1	R01	SDI	MMS	22	

The following set was saved successfully

#.	Name	CN	Search File	Date
31	imidazole2SDI	22	SDI MMS	2006-02-21

# New Enhancements-SDI



## Recalling an SDI in Derwent World Patent Index

**file dwpi**

Search statement 1

**\*Md imidazole/cn**

\*\* SS 1: Results 2

Search statement 2

**prt pn**

1/5 DWPI - (C) Thomson Derwent- image

CPIM Thomson Derwent

PN - WO2005112920 A1 20051201 DW2006-01 A61K-031/404 Eng 89p \*

AP: 2005WO-IB01459 20050419

DSNW: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ

DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG

KM KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ

OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG

US UZ VC VN YU ZA ZM ZW

DSRW: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS

IT KE LS LT LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG

ZM ZW

# New Enhancements-SDI

Previous updates of an SDI can be recalled by using the command RF HISDI

**rf hisdi**

The SDI requests saved on your account are :

#.	Name	last Date	Answ.
1	imidazole	2006-02-25	19
2	imidazolex	2006-02-25	20

Please, enter the name or the number of the SDI to recall :  
?

1

Recall in progress of SDI imidazole

#.	Name	last Date	Answ.
1	imidazole	2005-12-24	11
2	imidazole	2005-12-31	11
3	imidazole	2006-01-07	10
4	imidazole	2006-01-14	5
5	imidazole	2006-01-21	4
6	imidazole	2006-01-28	18
7	imidazole	2006-02-04	3
8	imidazole	2006-02-11	22
9	imidazole	2006-02-18	21
10	imidazole	2006-02-25	19

Please, enter the index of process to load ?  
?

2

# Sample Search



- A free sample search can be run by using the command **SEARCH** or **SEARCH SAMPLE** after the query is entered and validated.
- The sample search will run the complete RE search
- The sample search will then run an AA search on a random sample of RE candidates
- Sample answers can be transferred to the bibliographic files and analyzed

# Sample Search



SEARCH ←

\*\*\* RE \*\*\*

RE search started

...

RE Search completed

Result stored in R set : R24

R24 - RE / MMS FRONTF MPHARM WPIM BACKF : 38965 answer(s)

\*\*\* AA \*\*\*

Atom by Atom Search started on R set R24

249 answers(s) for 3033 candidates (no rx candidate(s))

Atom by Atom Search completed on R set R24

- 257 answers stored in R set R25

Projected search time : 0:0:10 to 0:1:42

Projected answers : 257 to 14936

Projected Rx candidates : 0 to 1

This query finally gave **1872** answers.

# New Enhancements-PARSE

---



- **PARSE Command**
  - Allows you to separate a Compound Number (CN) set into up to four distinct CN lists.
  - These new lists can be processed separately in the bibliographic system

```
Atom by Atom Search started on R set R00
  87 answers(s) for 15978 candidates (no rx candidate(s) )
 114 answers(s) for 32156 candidates (no rx candidate(s) )
 125 answers(s) for 48265 candidates (no rx candidate(s) )
 154 answers(s) for 64710 candidates (no rx candidate(s) )
 163 answers(s) for 81190 candidates (no rx candidate(s) )
 175 answers(s) for 96890 candidates (no rx candidate(s) )
 195 answers(s) for 109120 candidates (no rx candidate(s) )
```

```
Removing duplicates
Atom by Atom Search completed on R set R06
- 203 answer(s) stored in R set R08
R08 - AA / R06 : 203 answer(s)
```

The R08 answer set contains 203 compound numbers

- ST - (BA, CN, QT, RF, RE, AA, SB, BL, INFO, HELP) ?

PARSE R08 is executed.

▼ parse r08

The CN answer set R08 is split into:

#.	Name	Search Database	answer(s)	RX	RX File
1	R09	GEN.P MMS	74		
2	R10	SPC.P MMS	26		
3	R11	GEN.W MMS	61		
4	R12	SPC.W MMS	42		

The answer set is split into four lists

- ST - (BA, CN, QT, RF, RE, AA, SB, BL, INFO, HELP) ?

- ST - (BA,CN,QT,RF,RE,AA,SB,BL,INFO,HELP) ?

# New Enhancements-PARSE



**PARSE** can split an R set into up to four new CN lists:

- **GEN.P** will contain only generic compound numbers from MPHARM and BACKF
- **SPC.P** will contain only specific compound numbers from MPHARM and BACKF
- **GEN.W** will contain only generic compound numbers from WPIM and FRONTF
- **SPC.W** will contain only specific DCR compounds numbers from WPIM and FRONTF

**Since an R set is created for each list, all of these lists can be separately saved and processed.**

```
2 R10 SPC.F MMS 20
3 R11 GEN.W MMS 61
4 R12 SPC.W MMS 42
```

- ST - (BA, CN, QT, RF, RE, AA, SB, BL, INFO, HELP) ?

liR12 1-10

LI R12 1-10 will list the first 10 specific DCR numbers from set R12

R12 - SPC.W / MMS : 42 answer(s)

- 1 CN = R04741
- 2 CN = R11795
- 3 CN = R14616
- 4 CN = R16810
- 5 CN = R18542
- 6 CN = R16415
- 7 CN = R22814
- 8 CN = R00960
- 9 CN = R04929
- 10 CN = R07310

?

```
- ST - (BA,CN,QT,RF,RE,AA,SB,BL,INFO,HELP) ?  
sv cn r11 dgenerics  
  
Saving in progress  
.  
.  
The following set was saved successfully  
  
#. Name CN Search File Date  
17 dgenerics 61 GEN.W MMS 2006-08-27  
  
- ST - (BA,CN,QT,RF,RE,AA,SB,BL,INFO,HELP) ?  
sv cn r12 dspecifics  
  
Saving in progress  
.  
.  
The following set was saved successfully  
  
#. Name CN Search File Date  
18 dspecifics 42 SPC.W MMS 2006-08-27
```

The R sets can be saved as a CN list for transfer to the bibliographic system.

# New Enhancements- Subaccount

## NEW COMMANDS

- **SUBACCT** – can be set up as mandatory

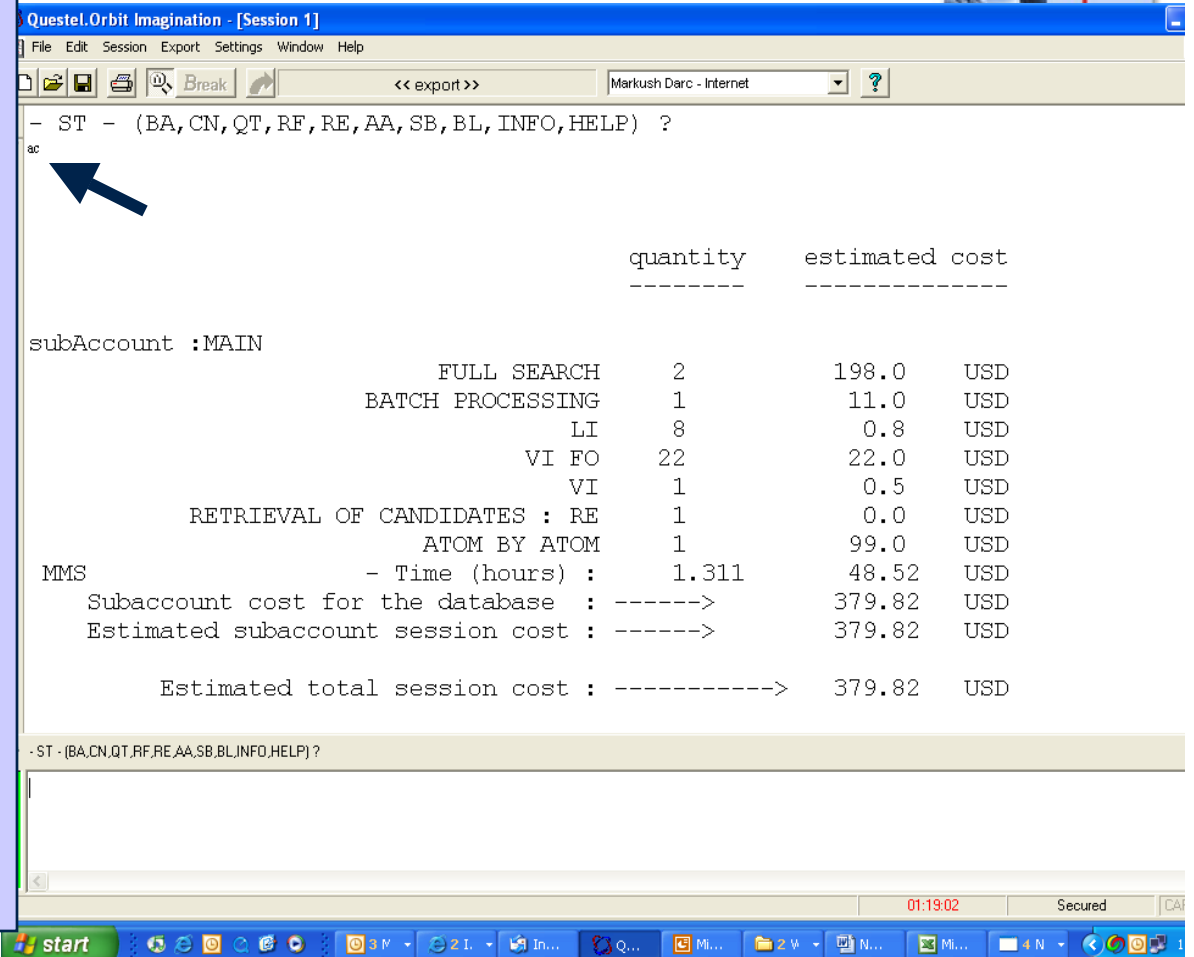
## EXAMPLE:

SUBACCT PARKER

- **AC** – will give cost estimate anytime during a session

## EXAMPLE

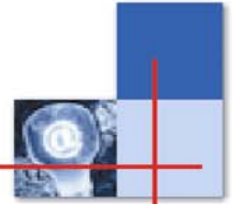
AC



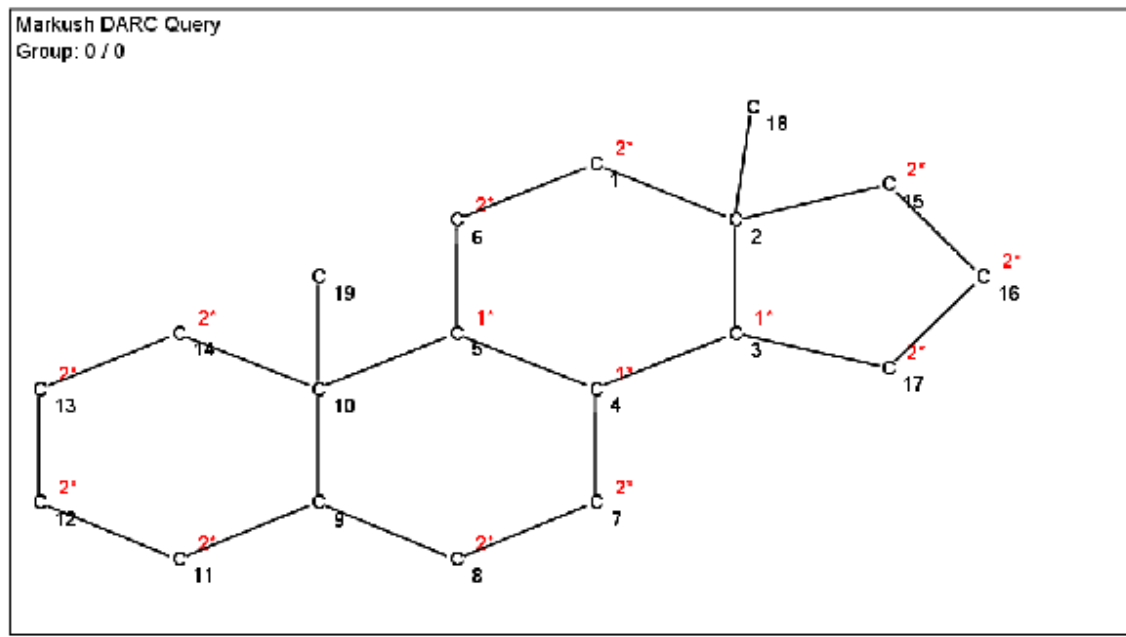
```
Questel.Orbit Imagination - [Session 1]
File Edit Session Export Settings Window Help
Break << export >> Markush Darc - Internet ?
- ST - (BA, CN, QT, RF, RE, AA, SB, BL, INFO, HELP) ?
ac
                                     quantity  estimated cost
                                     -----
subAccount :MAIN
                                     FULL SEARCH    2      198.0   USD
                                     BATCH PROCESSING 1      11.0   USD
                                     LI            8       0.8   USD
                                     VI FO        22      22.0   USD
                                     VI           1       0.5   USD
RETRIEVAL OF CANDIDATES : RE      1       0.0   USD
                                     ATOM BY ATOM  1      99.0   USD
MMS - Time (hours) : 1.311      48.52  USD
Subaccount cost for the database : -----> 379.82  USD
Estimated subaccount session cost : -----> 379.82  USD
                                     Estimated total session cost : -----> 379.82  USD
- ST - (BA,CN,QT,RF,RE,AA,SB,BL,INFO,HELP) ?
```

# New Enhancements- Subset Searching

---



- **Subset searching has been reduced to \$50 per search**
- **Subset search can be run on up to 3000 candidates.**
- **It is helpful for working with large AA answer sets**



This general query was run on a very general steroid structure with many free sites.

```
?  
a  
  
Atom by Atom search continuing on-line  
  4191 answers(s) for 291567 candidates (    14 rx candidate(s) )  
  4356 answers(s) for 304017 candidates (    14 rx candidate(s) )  
  4526 answers(s) for 316367 candidates (    14 rx candidate(s) )
```

```
Atom by Atom Search completed on R set  R14  
- 4523 answer(s) stored in R set  R15  
- 14 RX candidate(s) stored in RXR15
```

#.	Name	Search Database	answer(s)	RX	RX File
15	R15	AA R14	4523	14	RXR15

There were 4523 AA answers and 14 leftover RX candidates that could not be processed.

This AA search left some RX candidates.

A subset search can be run on the AA answers by substituting some of the free sites.



CN : QUERY

Group : 0 / 0

Base : MMS(NONE)

Segment :

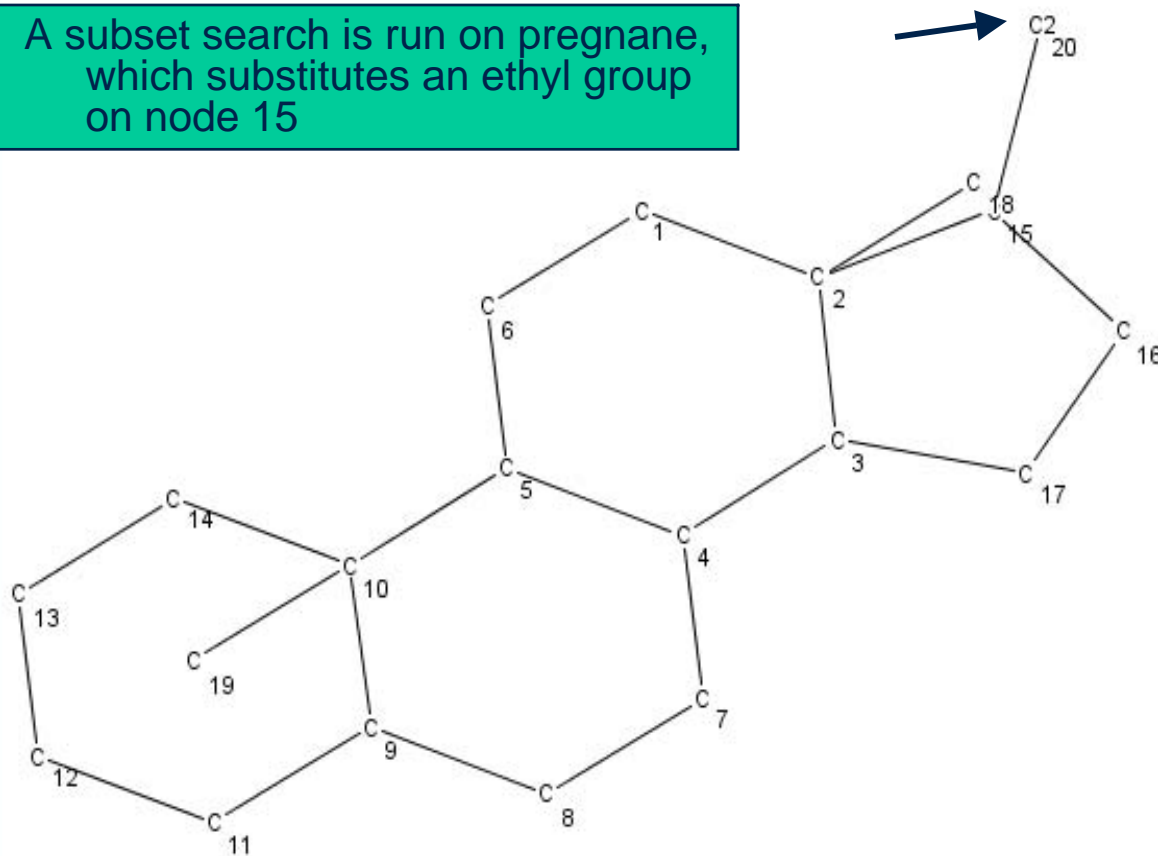
Show Father

Exit

Automatic Capture Query / CN

QUERY

A subset search is run on pregnane, which substitutes an ethyl group on node 15



- CH
- AM
- AV
- TXG
- DL
- DT
- AP
- TRA
- VP
- CR
- FS
- PA
- NUM
- MU
- SP

QUERY

GO



< Struct

< Focus

< Group

Group >

Focus >

Struct >

Questel.Orbit Imagination - [Session 1]

File Edit Session Export Settings Window Help

Break << export >> Markush Darc - Internet ?

- QT - (CN, CA, GM, GI, GR, BO, AT, FS, AP, VP, ATTR, VE) ?  
▼ aa/r15

\*\*\* AA \*\*\*

Atom by Atom Search started on R set R15

Removing duplicates  
Atom by Atom Search completed on R set R15  
- 3 answer(s) stored in R set R16  
R16 - AA / R15 : 3 answer(s)

- ST - (BA, CN, QT, RF, RE, AA, SB, BL, INFO, HELP) ?  
▼ li1-3

R16 - AA / R15 : 3 answer(s)

↑ - ST - (BA,CN,QT,RF,RE,AA,SB,BL,INFO,HELP) ?

01:11:53 Secured CAPS

start 3 M 2 I In... Q... Mi... 2 W N... Mi... 4 N 11:5

The AA search is run directly on set r15 which contained the 4523 answers. 3 answers are obtained.

Questel.Orbit Imagination - [Session 1]

File Edit Session Export Settings Window Help

Break << export >> Markush Darc - Internet ?

```
* SEARCH IN PROGRESS *  
  
RE Search completed  
Result stored in R set : R17  
  
R17 - RE / MMS FRONTF MPHARM WPIM BACKF : 15931 answer(s)  
  
- ST - (BA,CN,QT,RF,RE,AA,SB,BL,INFO,HELP) ?  
aa  
  
*** AA ***  
  
Atom by Atom Search started on R set R17  
3 answer(s) for 12788 candidates (no rx candidate(s) )  
  
Removing duplicates  
Atom by Atom Search completed on R set R17  
- 3 answer(s) stored in R set R18  
R18 - AA / R17 : 3 answer(s)
```

↑ - ST - (BA,CN,QT,RF,RE,AA,SB,BL,INFO,HELP) ?

01:14:30 Secured CAP

start 3 M 2 I In... Q... Mi... 2 W N... Mi... 4 N 11

For verification, an RE and AA search was run on the complete database and the same 3 answers were obtained.

# Roles



- Roles can be applied to CN answer sets to narrow the focus of the set
- The following roles are used with CN lists in the bibliographic PHARM and DWPI files

**A** Substance analyzed/detected

**C** Catalyst

**D** Detecting agent

**E** Excipient

**K** Known Compound

**M** Component of mixture

**N** New Compound

**P** Known Compound Produced

**Q** Product defined by starting material

**R** Removing/purifying agent

**S** Starting material

**T** Therapeutically active agent or prodrug

**U** Use of a single compound

**V** Reagent

**X** Substance removed

**Z** Miscellaneous

# Roles



Search History – Limiting answer set by roles

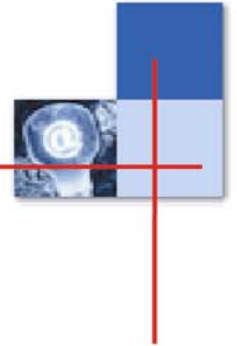
**File : DWPI**

## SS Results

- |   |      |                       |                                   |
|---|------|-----------------------|-----------------------------------|
| 1 | 1072 | *MD DSPECIFICS/CN     | <= full set                       |
| 2 | 367  | *MD DSPECIFICS.N.T/CN | <= new and therapeutically active |
| 3 | 18   | *MD DSPECIFICS.A/CN   | <= analyzed substances            |

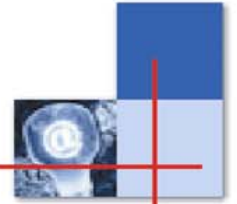
Roles can be useful for separating pharm compounds from compounds used with other technologies

# Exporting Results



- **Imagination will export results in an RTF format.**
- **QWEB 2, our Internet interface, will export results from PHARM and DWPI into a XLS (Excel) spreadsheet format, as well as RTF, PDF, TXT, and XML formats**
- **XLS format results can be combined with structure search results from other systems**

# Exporting Results



- Questel-Orbit allows for customized display formats
- Free format can be created using FOR command, with Derwent accession number, title (title terms for nonsubscribers), and compound numbers

```
FOR TICN AN TI CN
```

(TICN is the name of the custom format)

- Customized formats can be used in QWEB2 to create customized XLS tables.

Search statement 2

prt tich 1-10

**QWEB 2**

[Select All](#) | [Unselect All](#)

Available features

1 / 47 DWPI - Derwent World Patents Index - ©The Thomson Corp.

**2006-432910 [44] - New carbamate linked macrolide compounds, useful for treating systemic or top...**

<b>AN</b>	2006-432910 [44]
<b>TI</b>	New carbamate linked macrolide compounds, useful for treating systemic or topical microbial infections
<b>CN</b>	<b>0329-17501-N 0329-17501-P</b> 0329-17502-N 0329-17502-P RAKIO0-N RAKIO0-P RAKIO1-N RAKIO1-P RAKIO2-N RAKIO2-P RAKIO3-N RAKIO3-P RAKIO4-N RAKIO4-P RAKIO5-N RAKIO5-P RAKIO6-N RAKIO6-P RAKIO7-N RAKIO7-P RAKIO8-N RAKIO8-P RAKIO9-N RAKIO9-P RAKIOA-N RAKIOA-P RAKIOB-N RAKIOB-P RAKIOC-N RAKIOC-P RAKIOD-N RAKIOD-P

Available features

2 / 47 DWPI - Derwent World Patents Index - ©The Thomson Corp.

**2006-353280 [36] - New macrolide compounds useful to treat or prevent systemic or topical microb...**

<b>AN</b>	2006-353280 [36]
<b>TI</b>	New macrolide compounds useful to treat or prevent systemic or topical microbial infections, to combat microbial infection and to treat a variety of diseases caused by pathogenic microorganism
<b>CN</b>	RAMQGGK-N RAMQGGK-P RAMQGL-N RAMQGL-P RAMQGM-N RAMQGM-P RAMQGN-N RAMQGN-P RAMQGO-N RAMQGO-P RAMQGP-N RAMQGP-P RAMQGGQ-N RAMQGGQ-P RAMQGR-N RAMQGR-P RAMQGS-N RAMQGS-P RAMQGT-N RAMQGT-P RAMQGU-N RAMQGU-P RAMQGV-N RAMQGV-P RAMQGW-N RAMQGW-P RAMQGX-N RAMQGX-P RAMQGY-N RAMQGY-P RAMQGZ-N RAMQGZ-P RAMQH0-N RAMQH0-P RAMQH1-N RAMQH1-P RAMQH2-N RAMQH2-P RAMQH3-N RAMQH3-P RAMQH4-N RAMQH4-P RAMQH5-N RAMQH5-P RAMQH6-N RAMQH6-P RAMQH7-N RAMQH7-P RAMQH8-N RAMQH8-P RAMQH9-N RAMQH9-P RAMQHA-N RAMQHA-P RAMQHB-N RAMQHB-P RAMQHC-N RAMQHC-P RAMQHD-N RAMQHD-P RAMQHE-N RAMQHE-P RAMQHF-N RAMQHF-P RAMQHG-N RAMQHG-P RAMQHH-N RAMQHH-P RAMQHI-N RAMQHI-P RAMQHJ-N RAMQHJ-P RAMQHK-N RAMQHK-P RAMQHL-N RAMQHL-P RAMQHM-N RAMQHM-P RAMQHN-N RAMQHN-P RAMQHO-N RAMQHO-P RAMQHP-N RAMQHP-P RAMQHQ-N RAMQHQ-P RAMQHR-N RAMQHR-P <b>0326-99201-N 0326-99201-P</b> 0326-99202-N 0326-99202-P 0326-99203-N 0326-99203-P

Available features

3 / 47 DWPI - Derwent World Patents Index - ©The Thomson Corp.

**2006-353279 [36] - New macrolone compounds used for treating systemic or topical microbial infec...**

<b>AN</b>	2006-353279 [36]
<b>TI</b>	New macrolone compounds used for treating systemic or topical microbial infections

[Go](#)

# Export

## Template

Classical

File type: Text (.txt)

With images

.tif

With pictures

- Text (.txt)
- Acrobat (.pdf)
- Word (.rtf)
- Excel compliant (.xls)**
- Full XML (.xml)

**QWEB 2 Export**

## Delivery

Zipped file

by e-mail:

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Done

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### Status

05:35

### Title

A method for improving the ratio of PDE4 inhibitors through reduction or elimination of emetogenic properties while allowing retention of PDE activity, comprises benzylation to provide benzyated PDE4 inhibitor

### IPC s

A61K-031/522 C07D-207/00 C07D-207/12 C07D-207/26 A61K-031/277 A61K-031/325 A61K-031/38 A61K-031/4015 A61K-031/4162 A61K-031/4166 A61K-031/44 A61K-031/513 A61K-031/52 C07C-255/46 C07C-271/60 C07D-213/75 C07D-233/32 C07D-239/10 C07D-473/02 C07D-473/04 C07D-473/06



Go

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Internet

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A1 AN

	A	B	C	D	E	F	G	H
1	AN	TI	CN					
	2006-432910 [44]	New carbamate linked macrolide compounds, useful for treating systemic or topical microbial infections	0329-17501-N 0329-17501-P 0329-17502-N 0329-17502-P RAKIO0-N RAKIO0-P RAKIO1-N RAKIO1-P RAKIO2-N RAKIO2-P RAKIO3-N RAKIO3-P RAKIO4-N RAKIO4-P RAKIO5-N RAKIO5-P RAKIO6-N RAKIO6-P RAKIO7-N RAKIO7-P RAKIO8-N RAKIO8-P RAKIO9-N RAKIO9-P RAKIOA-N RAKIOA-P RAKIOB-N RAKIOB-P RAKIOC-N RAKIOC-P RAKIOD-N RAKIOD-P					
2	2006-353280 [36]	New macrolide compounds useful to treat or prevent systemic or topical microbial infections, to combat microbial infection and to treat a variety of diseases caused by pathogenic microorganism	RAMQGK-N RAMQGK-P RAMQGL-N RAMQGL-P RAMQGM-N RAMQGM-P RAMQGN-N RAMQGN-P RAMQGO-N RAMQGO-P RAMQGP-N RAMQGP-P RAMQQQ-N RAMQQQ-P RAMQGR-N RAMQGR-P RAMQGS-N RAMQGS-P RAMQGT-N RAMQGT-P RAMQGU-N RAMQGU-P RAMQGV-N RAMQGV-P RAMQGW-N RAMQGW-P RAMQGX-N RAMQGX-P RAMQGY-N RAMQGY-P RAMQGZ-N RAMQGZ-P RAMQH0-N RAMQH0-P RAMQH1-N RAMQH1-P RAMQH2-N RAMQH2-P RAMQH3-N RAMQH3-P RAMQH4-N RAMQH4-P					

Excel example

Draw AutoShapes

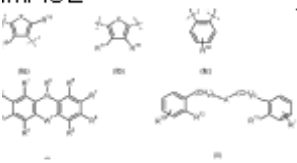
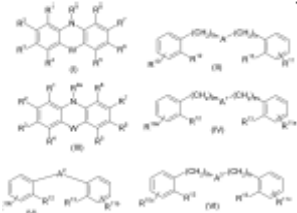
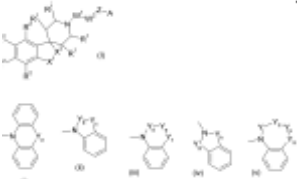
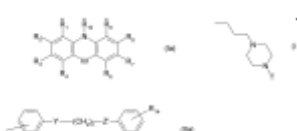
Ready

**XLS file from QWEB 2; these results can be combined with results from other structure searches**

Edit Favorites View Insert Format Tools Data Help Help  
 Back Forward Stop Refresh Home Search Favorites History Tools Mail Print Edit Discuss Dell Home

http://qexpprd.questel.fr/download/04201:n1/70334c8fc3655fd90061ae9c15dec2a9.xls

D2 0337-12301-K 0337-12301-M R00026-K R00026-M R08400-K R08400-M 0337-12302-K 0337-12302-M 0337-12303-K 0337-12303-M R09295-I  
 A R09295-M R14775-K R14775-M

IMAGE	AN	TI	CN	PN
	2006-708231 [73]	Method of treating neoplasm e.g. lung cancer, colon cancer, cancer of the ovary, prostate cancer, acute leukemia and Hodgkin's disease, comprises administering a composition comprising triphenylamino compound and a alkyl phenyl compound	0337-12301-K 0337-12301-M R00026-K R00026-M R08400-K R08400-M 0337-12302-K 0337-12302-M 0337-12303-K 0337-12303-M R09295-K R09295-M R14775-K R14775-M	US20060235001 WO200611371
	2004-191073 [18]	Treating neoplasm e.g. cancer comprises	RA1VLZ-K RA1VLZ-M RA1VLZ-T RA28R6- R08405-K R08405-M R08405-T R00217-K R00217-M R00217-T RA88VB-K RA88VB- M RA88VB-T RA88VE-K RA88VE-M RA88VE-T RA88V7-K RA88V7-M RA88V7-	WO200406842 US20040116407 6511 BR200312597 NO200500204 EP1545544 MX2005000485 JP2005536509 CN1681511 ZA2
	2003-247887 [24]	New spiroperidine compounds are opioid receptor like 1 modulators used for treating e.g. pain, eating disorders, dementia, epilepsy and cardiovascular disorders	0087-73102-N 0087-73102-T <b>0087-73101-N</b> 0087-73101-T 0087-73104-N 0087-73104-T 0087-73103-N 0087-73103-T RA9TP2-N RA9TP2-T RA9TPK-N RA9TPK-T RA9TPL- N RA9TPL-T RA9TPM-N RA9TPM-T RA9TPN-N RA9TPN-T RA9TRQ-N RA9TRQ- T RA9TRU-N RA9TRU-T RA9TRV-N RA9TRV-T RA9TRW-N RA9TRW-T RA9TRX-N RA9TRX-T RA9TS3-N RA9TS3-	WO200300677 US2003007827E 78279 EP1399432 BR2002113C AU2002302926 MX2003011956 US20050038060 JP200552163C
	2002-643327 [69]	Treatment of neoplasms or cancer comprises administering chlorpromazine and pentamidine simultaneously or within 14 days of each other	RA169M-K RA169M-M R23131-K R23131- M R23131-T RA88VJ-K RA88VJ-M RA88VJ- T R17226-K R17226-M R17226-T RA01T5- K RA01T5-M RA01T5-T RA1E II-K RA1E II-	WO200258684 US6569853 NO: US20030166642 EP1339399 KI 0 C7200301240

XLS file from QWEB 2; MAX display; these exports now include images.

Chart2 Chart1 70334c8fc3655fd90061ae9c15dec2a /

start Questel.Orbit Qweb ... http://qexpprd.ques... Removable Disk (F:) Microsoft PowerPoint... 12:3

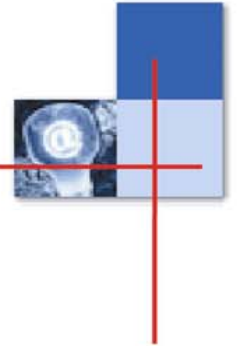
Derwent World Patents Index: Untitled

	Title	Patent Assignee	Basic Patent Number	Derwent Class	Image	Abstract	Adva
14	Use of immunomodulatory compound to treat, manage or prevent immunodeficiency disease or disorder e.g. adenosine deaminase deficiency, antibody deficiency, ataxia-tenlangiectasia and bare lymphocyte syndrome	CELGENE CORP	WO 200660507	B02		<p>WO200660507 A                      NOVELTY: Method of treating, managing or preventing an immunodeficiency disease or disorder, comprises administering to a management or prevention of immunomodulatory compound (A) or salt, solvate or stereoisomer and/or a second active agent (B).                      ACTIVITY: Anti-HIV.                      MECHANISM OF ACTION: lobulin inhibitor. The ) to inhibit lobulin was tested using assays. The results showed that the median inhibitory concentration value of (I) was 0.1-0.3 mu M. [CONT.]</p>	
15	Treatment of a bacterial infection e.g. Streptococcus pneumoniae, Staphylococcus aureus involves administering a polypeptide deformylase inhibitor and a macrolide antibiotic	SMITHKLINE BEECHAM CORP	WO 200655663	B05	 (Ib1)	<p>WO200655663 A                      NOVELTY: Treatment of a bacterial infection involves: administering a polypeptide deformylase (PDF) inhibitor (I) and a macrolide antibiotic (II), or their salt, solvate or derivative.                      DETAILED DESCRIPTION: An INDEPENDENT CLAIM is included for a pharmaceutical composition comprising: (I) and (II) or their salt, solvate or derivative.                      ACTIVITY: Antibacterial. [CONT.]</p>	The co-adminis inhibitor with the antibiotic result effect, with redu each of the corr presence of the concentrations compounds rec the same anti-t effect.(Dwg.0/0)
	Drug delivery to regions within body for diagnoses or treatment of disorder of throat/nose, involves supplying therapeutic agent into reservoir during	ACCLARENT INC	US 20060106361	A96 B05 B07 D22 P34		<p>US20060106361 A                      NOVELTY: A delivery tube (296) is inserted into a human/animal body. Therapeutic or diagnosis agent is supplied into the body.</p>	The desired me substance/ager target anatomic within the set tir effective treatm

**BIZINT Smartcharts can also be used to capture results from DWPI exports.**

# Contact Information

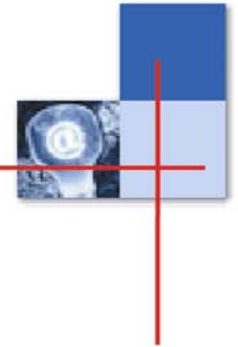
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**Thank You!**