

Specific techniques



- Handling RX candidates
- The **BT** and **BT ALL** command
- Housekeeping commands
- The **SEARCH FULL** command
- The **SEARCH SAMPLE** command
- The **PARSE** command
- The **JOIN** command
- The **CN** command
- Subset searching
- Limiting a search to a specific segment

Specific techniques



Handling RX candidates

```
- ST - (BA,CN,QT,RF,RE,AA,SB,BL,INFO,HELP) ? RE
*** RE ***
RE search started
* SEARCH IN PROGRESS *
RE Search completed
Result stored in R set : R03
R03 - RE / MMS FRONTF MPHARM WPIM BACKF : 96270 answer(s)
```

```
- ST - (BA,CN,QT,RF,RE,AA,SB,BL,INFO,HELP) ? AA
*** AA ***
Atom by Atom Search started on R set R03
.....
51 answer(s) for 95783 candidates ( 3 rx candidate(s) )
Atom by Atom Search completed on R set R03
- 56 answers stored in R set R04
- 3 RX candidates stored in RXR04
#. Name Search Database answer(s) RX RX File
4 R04 AA R03 56 3 RXR04
```

This AA search let some RX candidates.

Please type :

- B to request a Batch processing of these RX candidates
- P to request a Power-Batch processing of these RX candidates
- C to move to the ST level without requesting any further processing

Specific techniques



Handling RX candidates

Please type :

- B to request a Batch processing of these RX candidates
 - P to request a Power-Batch processing of these RX candidates
 - C to move to the ST level without requesting any further processing
- ? **P**

Power Batch processing requested for completed RXR19 set

Please, enter a name to assign to your Power Batch request

(a maximum of 15 characters can be used)

? **TEST**

Please, confirm this choice ? (Y/N)

? **Y**

Warning: you may need to synchronize in order to get the B, P, or C commands to process.

Power Batch request test is stored:

#.	Type	Name	Stat.	Orig.	File	Cand.	Answ.	RX	Date
9	PB	TEST	WAIT	AA	MMS	3	0	0	2007-01-02

The result will be available by tomorrow morning.

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

Specific techniques



Handling RX candidates

The Batch and Power-Batch search requests saved on your account are :

#.	Type	Name	Stat.	Orig.	File	Cand.	Answ.	RX	Date
1	PB	test	DONE	AA	MMS	3	1	0	2007-01-02

**** CURRENT SELECTED DATA BASE :MMS ****

**** BASE MMS - 02/01/07 - 2101776 Compounds ****

**** LAST SELECTED SEGMENT(S) :

FRONTF
MPHARM
WPIM
BACKF

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

Recall in progress

The following request was recalled successfully :

#.	Type	Name	Stat.	Orig.	File	Cand.	Answ.	RX	Date
1	PB	test	DONE	AA	MMS	3	1	0	2007-01-02

The answers and the optional RX candidates were placed in the answer set: R20

#.	Name	Search Database	answer(s)	RX	RX File
20	R20	BATCH	MMS	1	

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

Specific techniques



The BT command

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

*** RE ***

RE search started

* SEARCH IN PROGRESS *

RE Search completed

Result stored in R set : R25

R25 - RE / MMS FRONTF MPHARM WPIM BACKF : 44659 answer(s)

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

Batch processing requested for completed R25 set

Please, enter a name to assign to your request (a maximum of 15 characters can be used) ? **TESTCOMMANDBT**

#.	Type	Name	Stat.	Orig.	File	Cand.	Answ.	RX	Date
11	B	testcommandbt	WAIT	AA	MMS	44659	0	0	---

Confirm ? (Y/N)

? **Y**

The batch was saved successfully

#.	Type	Name	Stat.	Orig.	File	Cand.	Answ.	RX	Date
11	B	testcommandbt	WAIT	AA	MMS	44659	0	0	2007-01-02

The result will be available by tomorrow morning.

Specific techniques



The BT ALL command

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

Please, enter a name to assign to your request (a maximum of 15 characters can be used) ? **testcommandBTALL**

#.	Type	Name	Stat.	Orig.	File	Cand.	Answ.	RX	Date
12	ALL	testcommandbtal	WAIT	RA	MMS	0	0	0	---

Confirm ? (Y/N)

? **Y**

The batch was saved successfully

#.	Type	Name	Stat.	Orig.	File	Cand.	Answ.	RX	Date
12	ALL	testcommandbtal	WAIT	AA	MMS	0	0	0	2007-01-02

The result will be available by tomorrow morning.

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

Housekeeping commands

- History of answer sets

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

The answer sets on your account are :

#.	Name	Search	Database	answer(s)	RX	RX File
1	R01	RE	MMS F W	20856		
2	R02	AA	R01	61		
3	R03	RE	MMS F M W B	32649		
4	R04	AA	R03	102	2	RXR04
5	R05	CN	MMS	1		
6	R06	RE	MMS F M W B	43878		
7	R07	AA	R06	22		
8	R08	RE	MMS F M W B	46045		
9	R09	AA	R08	30		
10	R10	BOOL	MMS	9		
11	R11	CN	MMS	1		
12	R12	AA	R11	1		

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

Housekeeping commands

- Erasing answer sets

```
- ST - (BA,CN,QT,RF,RE,AA,SB,BL,INFO,HELP) ? ER R 1-2, 5
```

```
Are you sure you want to erase this (these) answer set ? ( Y/N )  
? Y
```

```
The following answer set(s) was(were) erased :
```

#.	Name	Search Database	answer(s)	RX	RX File
1	R01	RE	MMS	20856	
2	R02	AA	MMS	61	
5	R05	CN	MMS	1	

```
Warning : the remaining answer sets have been renumbered starting from R01
```

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

Housekeeping commands

Command	Answers	Query	Batch
SV	SV CN <i>name</i>	SV QU <i>name</i>	
HI	HI CN	HI QU	HI BT
RF	RF CN <i>name</i>	RF QU <i>name</i>	RF BT <i>name</i>
ER	ER CN <i>name</i> ER CN 1-3	ER QU <i>name</i>	ER BT <i>name</i>

The SEARCH FULL command

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

```
*** RE ***
```

```
RE search started
```

```
* SEARCH IN PROGRESS *
```

```
RE Search completed
```

```
Result stored in R set : R21
```

```
R21 - RE / MMS FRONTF MPHARM WPIM BACKF : 65421 answer(s)
```

```
*** AA ***
```

```
Atom by Atom Search started on R set R21
```

```
24 answer(s) for 11160 candidates (no rx candidate(s) )
```

```
.....
```

```
493 answer(s) for 61599 candidates (no rx candidate(s) )
```

```
Removing duplicates
```

```
Atom by Atom Search completed on R set R21
```

```
- 532 answers stored in R set R22
```

```
R22 - AA / R21 : 532 answer(s)
```

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

Sample Search - The SEARCH command

```
- ST - (BA,CN,QT,RF,RE,AA,SB,BL,INFO,HELP) ? SEARCH
*** RE ***
RE search started
* SEARCH IN PROGRESS *
* SEARCH IN PROGRESS *
RE Search completed
Result stored in R set : R05
R05 - RE / MMS FRONTF MPHARM WPIM BACKF : 44848 answer(s)

*** AA ***
Atom by Atom Search started on R set R05
Removing duplicates
Atom by Atom Search completed on R set R05
- 280 answer(s) stored in R set R06
R06 - AA / R05 : 280 answer(s)

Projected search time : 0:0:20 to 0:3:29
Projected answer(s) : 280 to 17457
Projected Rx candidate(s) : 0 to 1

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

*The command **SEARCH SAMPLE** will also run the sample search.*

This query actually gave 1910 answers

The PARSE Command

- The **PARSE** command allows you to parse answer sets and CN lists into specific and generic PHARM and DWPI CN sets
- **PARSE** can be used with an R answer set or a named CN list
- Parsing or splitting an R answer set will create up to four MMS R sets.

GEN.P	=	<i>Generic MPHARM CN numbers</i>
SPC.P	=	<i>Specific MPHARM CN numbers</i>
GEN.W	=	<i>Generic WPIM CN numbers</i>
SPC.W	=	<i>Specific WPIM CN numbers</i>

Specific techniques



The PARSE Command

The answer sets on your account are :

#.	Name	Search Database	answer(s)	RX	RX File
1	R01	RE MMS F M W B	325498		
2	R02	AA R01	4602	14	RXR02

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

PARSE R02

The AA answer set in R02 is parsed.

The CN answer set R02 is split into:

#.	Name	Search Database	answer(s)	RX	RX File
1	R03	GEN.P MMS	1097		
2	R04	SPC.P MMS	214		
3	R05	GEN.W MMS	1711		
4	R06	SPC.W MMS	1579		

The 214 answers from R04 are saved as a CN list.

SV CN R04 PHARMRNUMB

The following set was saved successfully

#.	Name	CN Search File	Date
13	pharmrnumb	214 SPC.P MMS	2007-01-02

The PARSE Command

- Parsing or splitting a saved CN list will create and name up to four saved CN sets.
- Below, a saved CN list called “steroid” is parsed. The new CN lists created can be Listed, and Viewed in the MMS system, and recalled in the bibliographic system using *MD and *MDARCLIST.

parse steroid

The CN answer set steroid is split into:

#.	Name	CN	Search File	Date
1	steroidGP	56	GEN.P MMS	2007-01-02
2	steroidSP	3	SPC.P MMS	2007-01-02
3	steroidGW	186	GEN.W MMS	2007-01-02
4	steroidSW	10	SPC.W MMS	2007-01-02

The JOIN Command

- The **JOIN** Command can be used in the bibliographic system to transfer CN numbers from the bibliographic files to the MMS system.
- It can be useful for **VIEW**ing the structures of CN numbers found in the bibliographic records.
- It is also useful for creating a CN number subset that an AA structure search can be run against.
- CN lists transferred to MMS are stored as **QO** (Questel·Orbit) lists.

Specific techniques



The JOIN Command

IN DWPI

Selected file: DWPI

Search statement 1

WO2005026123/pn

** SS 1: Results 1

Search statement 2

prt ticn

1/1 DWPI - (C) Thomson Reuters- image

AN - 2005-242347 [25]

TI - New 2-pyridone derivatives are neutrophil elastase inhibitors useful to treat e.g. inflammatory diseases, adult respiratory distress syndrome, pulmonary emphysema, chronic obstructive pulmonary disease and ischemic-reperfusion injury

CN - RAHDIB-N RAHDIB-P RAHDIB-T RAHDIC-N RAHDIC-P RAHDIC-T 0152-93701-N
0152-93701-P 0152-93701-T

A search is conducted in DWPI on a specific patent record of interest.

The JOIN Command

IN DWPI

Selected file: DWPI

Search statement 2

join to wpim via test10

Total number of terms extracted: 9

IN MMS

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

rf go test10

Recalling the Questel-Orbit query named : sleep01

#.	Name	Search Database	answer(s)	RX	RX File
14	R14	CN	MMS	3	

The **JOIN** command is used on SS 1. A QO list called 'test10' is created containing 9 numbers (CN numbers may be repeated with different roles). QO lists are limited to 50000 numbers. JOIN can only extract numbers from one bibliographic file at a time.

The **RF QO** command is executed in MMS on the QO list called test10. A new R set is created containing 3 numbers.

Specific techniques

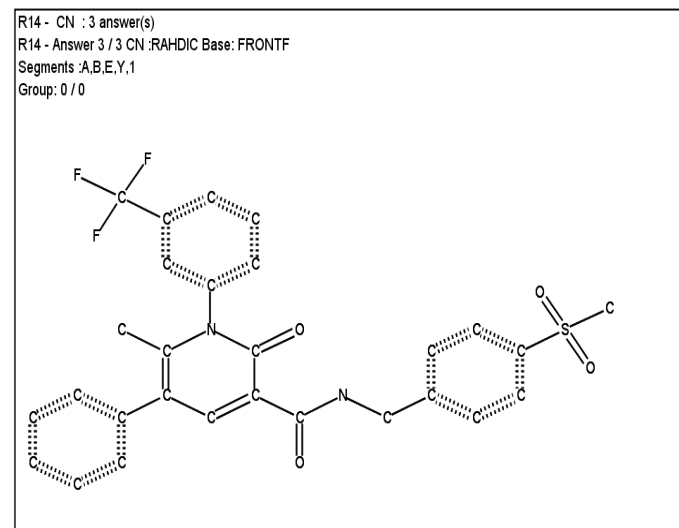
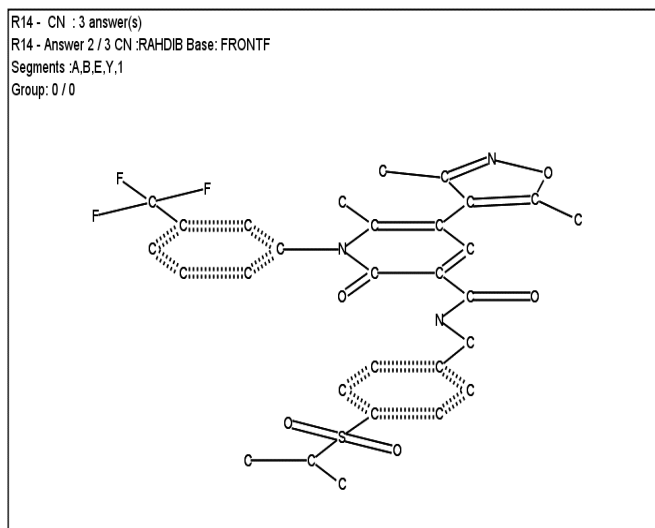


The JOIN Command

To view CN numbers from the QO list, use the **VI** command at the ST prompt.

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

vi 2,3



The CN Command

CN numbers can also be viewed by using the **CN** command in MMS. Multiple numbers can be viewed.

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

```
cn
```

```
*** COMPOUND NUMBER SEARCH ***
```

```
Type
```

```
- a Compound Number at the CN ? prompt level, then a carriage return.
```

```
- a carriage return to move back to the ST level.
```

```
?
```

```
R03570
```

```
?
```

```
R03812
```

```
?
```

```
R03816
```

```
?
```

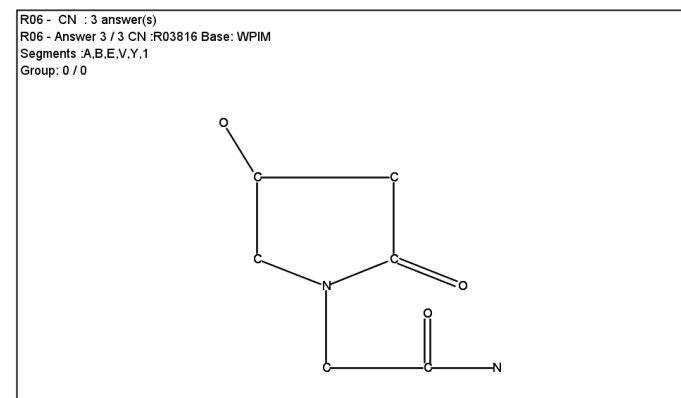
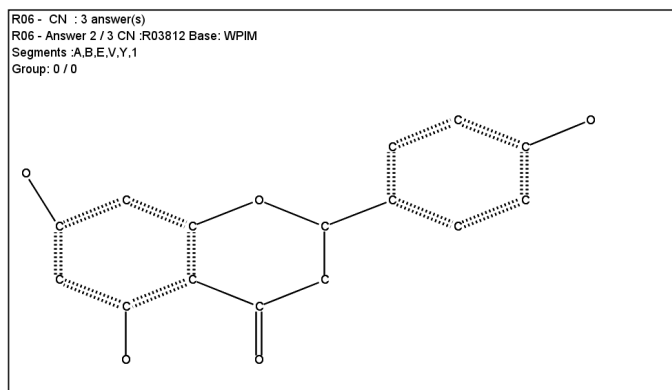
```
R06 - CN / MMS : 3 answer(s)
```

The CN Command

The **VI** command can be used.

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

vi 2-3



Subset Searching

- **Subset Searching** can be used when you have an answer set from a query search and you want to get some answers that have a particular structure characteristic of the original query.
- The RE candidate search is not necessary when conducting a subset search. The candidates are the original answer set from your query search; only the AA search is run for a subset search .
- The AA Subset Search is half the price of a full AA search.

Subset Searching

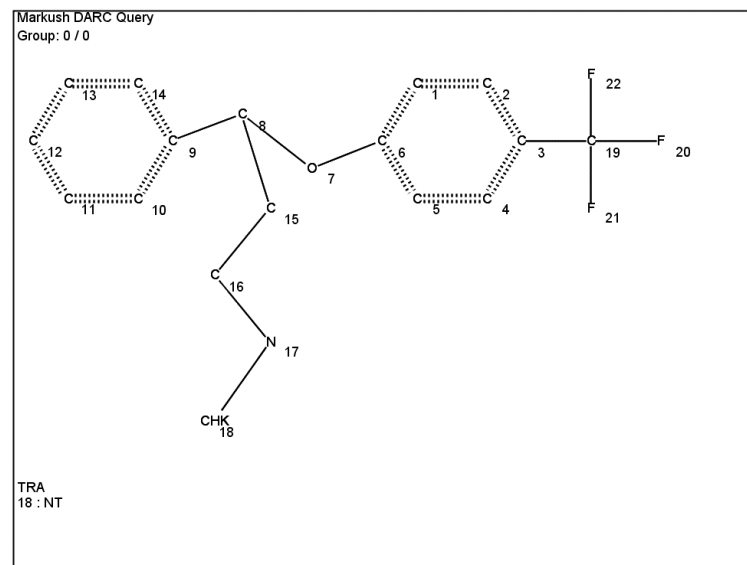
Subset Search procedure is as follows:

- Create a query, validate it, and run the RE/AA search
- Create your subset query and validate it
- Run the AA search on the R set containing the original answer set

Subset Searching

Subset Search Example:

A structure search was run in MMS on the following query:



42 answers were obtained and stored in set R08.

Subset Searching

A new query is created with an ethyl group replacing the CHK

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

fi

Query validation in progress

Query validated

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

aa/r08

*** AA ***

Atom by Atom Search started on R set R08

Removing duplicates

Atom by Atom Search completed on R set R08

- 2 answer(s) stored in R set R09

R09 - AA / R08 : 2 answer(s)

- 1 RX candidate(s) stored in RXR09

This AA search left some RX candidates.

Please type :

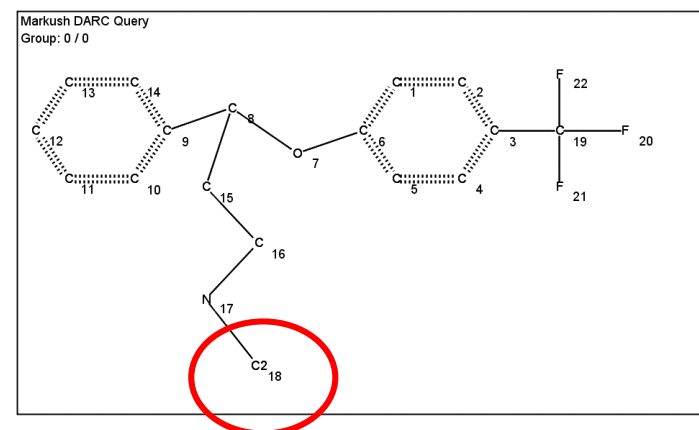
- B to request a Batch processing of these RX candidates
- P to request a Power-Batch processing of these RX candidates
- C to cancel the search

c

Atom by Atom Search completed on R set R09

- 2 answer(s) stored in R set R09

- 1 RX candidate(s) stored in RXR09



Two answers contain
an ethyl group.

Specific techniques



Limiting the search to a specific segment

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

```
*** AVAILABLE DATABASES ***
```

```
DATABASE : MMS      ( 1 )
```

```
DATABASE : IPAT     ( 2 ) Database temporarily non available
```

```
DATABASE : WPAT     ( 3 ) Database temporarily non available
```

```
Please enter the number of the database you wish to select
```

```
? 1
```

Limiting the search to a specific segment

```
**** BASE MMS - 01/05/05 - 1668833 Compounds ****
```

```
THIS DATABASE IS MADE UP WITH 4 SEGMENT(S)
```

```
Segment: FRONTF ( 1 )
```

```
Segment: MPHARM ( 2 )
```

```
Segment: WPIM ( 3 )
```

```
Segment: BACKF ( 4 )
```

Type

- a carriage-return to select the complete MMS Database
- the numbers corresponding to the segments separated by commas to select 1, 2 or 3 MMS segments (e.g. type "1, 4" to select the BACKF and FRONTF segments)

? **1**

```
**** SELECTED SEGMENT(S) :
```

```
FRONTF
```

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