

# DERWENT CHEMISTRY RESOURCE

## FILE DESCRIPTION

**Derwent Chemistry Resource (DCR)** offers structure searching and various other substance identification and indexing data of the chemical structures indexed from update 199916 forward within **Derwent World Patents Index® (DWPI)** (Files 350, 351, and 352) and the **Derwent Drug File (DDF)** (Files 377, 376, 912, and 913).

For patents included in DWPI, DCR includes:

- All claimed compounds.
- At least the main (best) example. If there are few claimed compounds, more examples are selected.
- For compounds outside the claims, priority of selection is given to real compounds (i.e., those with good supporting physical and/or biological data).
- Where compounds are selected from a range of examples, those that best illustrate the structural diversity of patent coverage are selected.

## SUBJECT COVERAGE

**Derwent Chemistry Resource** includes biological, organic, organometallic and inorganic compounds

## SOURCES

**Derwent Chemistry Resource** cites chemical structures from the more than one million patents classified in Derwent Sections B, C and E (Pharmaceuticals, Agrochemicals and General Chemistry).

## DIALOG FILE DATA

Inclusive Dates:

Chemical compounds in patents indexed in DWPI from update 199916 forward

Update Frequency:

Twice weekly approximately (82 updates/year).

Approximately 1,500 records per update.

File Size: 850,649 records as of April, 2006

## TIPS

### USE FILE 355

to search the chemical structures within **Derwent World Patents Index®** and **Derwent Drug File**.

### USE DialogLink™ 5 and FILE 355

to graphically search and display the chemical structures within **Derwent World Patents Index®** and **Derwent Drug File**.

### USE Links (with DialogLink™ 5) or MAP DN

to create a set and view the patent records in DWPI that include a searched chemical structure.

MAP DN T S1; B 351; EXS (SearchSave number); TYPE

## CONTACT

**Derwent Chemistry Resource** is provided by Thomson Scientific. Questions about file content should be submitted by Web Form at [www.thomsonscientific.com/support/techsupport/](http://www.thomsonscientific.com/support/techsupport/) or directed to:

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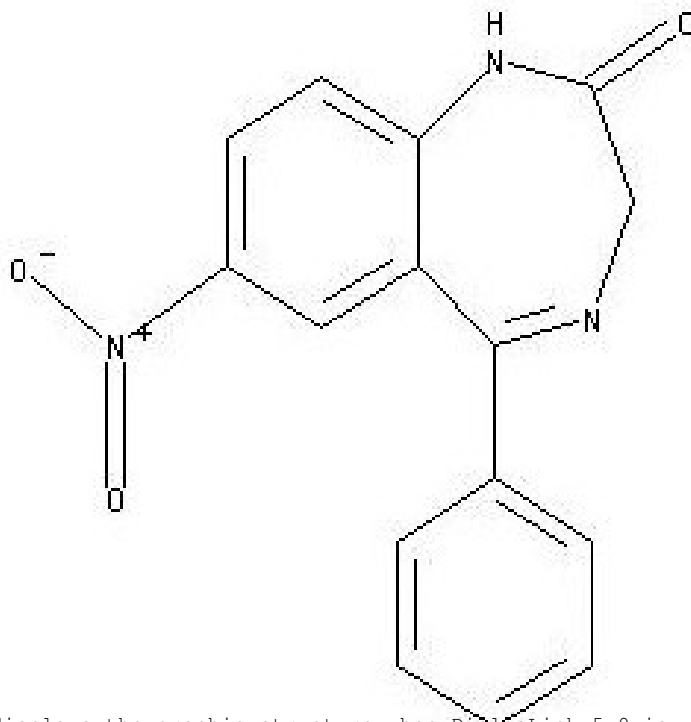
## SAMPLE RECORD

DIALOG(R)File 355: Derwent Chemistry Resource  
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0000102080

**/NA, NA=** Preferred Name: NITRAZEPAM  
**DN=** DCR Number: 102080  
**XD=** External DCR Number: 102080-0-0-0  
**CN=** Specific Compound Number: R01158; R07594  
**ID=** DDF Structure ID: NITRAZPAM  
**/NA, NA=** Systematic Chemical Name: 7-Nitro-5-phenyl-1,3-dihydro-benzo[e][1,4]diazepin-2-one  
**/SY, SY=** Synonyms: ALODORM; APODORM; AREM; ATEMPOL; BENZALIN; CALSMIN; CERSON; DESCANSOL; DORMICUM; DORMIGEN; DORMO-PUREN; DUMOLID; EATAN-N; EPIBENZALIN; EPINELBON; EUNOCTIN; GERSON; HIPNAX; HIPNOTAB; HIPSAL; HIRUSUKAMIN; HUBERPLEX; HYPNOTEX; HYPNOTIN; IBROVEK; IMADORM; IMESON; INSOMA; INSOMIN; IPERSED; IPNOZEM; LA-1; LA-I; LAGAZEPAM; LIVETAN; LYLADORM; MAGADON; MEGADON; MITIDIN; MODADAN; MOGADAN; MOGADON; MP-NITRAZEPAM; NELBON; NELMAT; NELUOLEN; NEMNAMINE; NEOZEPAM; NEUCLONIC; NEUMAX; NIDIAZEPON; NIPAM; NITEPAM; NITRADORM; NITRADOS; NITRAVET; NITRAX; NITRAZEPAM; NITRAZEPAN; NITRAZEPHAR; NITRAZEPOL; NITREDON; NITREEZE; NITRENPAK; NITRODIAZEPAM; NOCTEM; NOCTENE; NOVANOX; NSC-58775; NUMBON; ONIREMA; ORMODON; PACIDRIM; PACISYN; PADOR; PAXADORM; PAXISYN; PELSON; PELSONFILINA; PERSOPIR; PROSONNO; QUILL; RADEDORM; RELACT; RELAX; REMNOS; RO-4-5360; RO-45360; RO-53059; S-2000; SCHLAFTABLETTEN-23; SERENEX; SINDEPRES; SOLIUM; SOMITRAN; SOMNASED; SOMNIBEL-N; SOMNIPAR; SOMNITE; SONEBON; SONIPAN; SONNOLIN; SONOTRAT; SUREM; TAZEPAM; TRAZENIN; TRI; UNISOMMIA; UNISOMNIA

**MW=** Molecular Weight: 281.2699  
**/EC, EC=, MF=** Molecular Formula (Orig): C15 H11 N3 O3  
**MF=** Molecular Formula (Comp): C15H11N3O3  
 Structured Molecular Formula  
**SF=** Fragment and Multiplier: C15H11N3O3 1  
**NG=** Number of Fragments: 1  
**TF=** Total Fragments: 1  
**RR=** Ring Index Numbers: 01829  
**DR=** Derwent RN: 1158  
**/DE** Substance Descriptor: BENZODIAZEPINES  
 DDF Descriptors  
**/DE** Activity: SEDATIVES  
**/DE** Substructure: BENZODIAZEPINE; NITROARENE; BH-LINKED-CC; LACTAM  
**/DE** Mechanism: BENZODIAZEPINE-AGONIST.; GABAMINERGIC



GS displays the graphic structure when DialogLink 5.0 is used.

## SEARCH OPTIONS

## BASIC INDEX

SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
— /DE	— DE	All Basic Index Fields Substance Descriptor and DDF Descriptor <sup>1</sup>	Word Segment & Word & Phrase	S NITRAZEPAM S BENZODIAZEPINES/DE S SEDATIVES/DE S BH-LINKED-CC/DE
/ID /NA	ID NA	DDF Structure Identifier <sup>2</sup> Preferred Name and Systematic Chemical Name <sup>2</sup>	Phrase Segment & Word & Phrase	S NITRAZEPAM/ID S DI(W)HYDRO/NA S DIAZEPIN/NA S NITRAZEPAM/NA
/NT /SY	NT SY	Structure Note Synonyms	Word Segment & Word	S UNKNOWN(W)STRUCTURE/NT S ALODORM/SY S MP(W)NITRAZEPAM/SY

<sup>1</sup> Also /DF.<sup>2</sup> Searchable in the Basic Index and in the Additional Indexes.

## ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
— CN= DN= DR= EC=	AZ CN DN DR MF	DIALOG Accession Number Specific Compound Number DCR Number <sup>3</sup> Derwent Registry Number Element Count	Phrase Phrase Phrase Word	S CN=R01158 S DN=102080 S DR=1158 S EC=C0015 S EC=N0003
FS= GN=	— —	File Segment <sup>4</sup> Periodic Group Number	Phrase Word	S FS=DDF S GN=A5 S GN=A6
— ID= ME= MF=	GS ID MF MF	Graphic Structure <sup>5</sup> DDF Structure Identifier <sup>2</sup> Molecular Elements Molecular Formula	Phrase Phrase Phrase	S ID=NITRAZPAM S ME=CHNO S MF=C15H11N3O3 S MF=C15 H11 N3 O3
MW= NA= NE= NG= PI= PT= RR= SF=	MW NA MF SF — — RR SF	Molecular Weight Preferred Name and Systematic Chemical Name <sup>2</sup> Number of Elements Number of Fragments Periodic Index Term Periodic Table Row Ring Index Number Structured Molecular Formula (Fragment and Multiplier)	Numeric Phrase Numeric Numeric Phrase Word Phrase Phrase	S MW=281.2699 S NA=7-NITRO-5-PHENYL-1,3-DIHYDRO? S NE=4 S NG=1 S PI=A56 S PT=T1 S RR=01829 S SF=C15H11N3O3(W)SF=1 S SF=C15H11N3O3
SY=	SY	Synonyms	Phrase	S SY=ALODORM S SY=LA-1
TF= UD= XD=	SF — XD	Total Fragments Update External DCR Number	Numeric Phrase Phrase	S TF=1 S UD=9999 S XD=102080-0-0-0

<sup>3</sup> The DCR number may be mapped to Derwent World Patents Index, files 350, 351 and 352.<sup>4</sup> Use FS=DDF to restrict to those substances that are in the Derwent Drug File. All records are in FS=DWPI.<sup>5</sup> The graphic structure can be displayed using DialogLink 5.0. All other interfaces currently display the text equivalent of the .MOL file. The GS display code can be combined with any user-defined format or any pre-defined format, except Format 1.

## SPECIAL FEATURES

For command descriptions, enter HELP LIMIT, HELP SORT, HELP RANK, HELP MAP online.

<b>LIMIT</b>	/DDF -- Substance in Derwent Drug File /DWPI -- Substance in Derwent World Patents Index	S S1/DDF S S2/DWPI
<b>SORT</b>	DN, MF	SORT S6/ALL/MF
<b>RANK</b>	All phrase- and numeric-indexed fields in the Additional Indexes can be ranked. Other RANK codes include: DE, DN, DR, FS, ID, ME, MF, MW, NA, NE, NG, PI, RR, SF, SY, TF	RANK DE RANK NA S4
<b>MAP</b>	CN, DN, DR, ID, RR, XD	MAP CN TEMP S2

## PREDEFINED FORMAT OPTIONS

NO.	DIALOGWEB FORMAT	RECORD CONTENT
1	--	DIALOG Accession Number
2	--	Full Record <sup>4</sup>
3	Short	DCR Number, External DCR Number, Compound Number, DDF Structure Identifier, all Names, Molecular Formula, Molecular Weight <sup>4</sup>
4	--	Full Record with Structure and Tagged Fields <sup>4</sup>
5	Medium	DWPI-related Fields <sup>4</sup>
6	Free	Systematic Chemical Name and Molecular Formula <sup>4</sup>
7	--	Full Record <sup>4</sup>
8	--	DDF-related Fields <sup>4</sup>
9	Long	Full Record <sup>4</sup>
19	Full	Full Record with Structure
K	--	KWIC (Key Word In Context) displays a window of text; may be used alone or with other formats

## OTHER OUTPUT OPTIONS

For an explanation, enter HELP TYPE, HELP UDF, HELP TAG online.

<b>USER DEFINED FORMATS</b>	Display codes listed in the Search Options tables can be used to customize output.	TYPE S3/DN,NA/1-5
<b>TAG</b>	Output can be displayed with tags identifying each display field.	TYPE S3/5/1-10 TAG
<b>DIRECT RECORD ACCESS</b>	If the accession number of a specific record is known, it can be used to display the record directly.	TYPE 0198292/9 DISPLAY 0209321/4 PRINT 0210512/5

**FOR ONLINE HELP:**

See HELP FIELDS 355 for searchable fields; HELP FORMAT 355 for output formats; HELP LIMIT 355 for limits; HELP RATES 355 for cost information; HELP SORT 355 for sorts.