

## DWPIM (Derwent Markush Resource)

<b>Subject Coverage</b>	<ul style="list-style-type: none"> <li>Organic and organometallic compounds</li> <li>Inorganic compounds, polymers, peptides and partially defined structures</li> </ul>																								
<b>File Type</b>	Markush Structures																								
<b>Access</b>	The file is only available on STNnext																								
<b>Features</b>	<table border="0"> <tr> <td>Alerts (SDIs)</td> <td colspan="3">Monthly, weekly or with each update (2 updates per week) (every update is the default)</td> </tr> <tr> <td><a href="#">CAS Registry Number® Identifiers</a></td> <td><input type="checkbox"/></td> <td>Page Images</td> <td><input type="checkbox"/></td> </tr> <tr> <td>STN® AnaVist™</td> <td colspan="2"></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Keep &amp; Share</td> <td><input type="checkbox"/></td> <td>SLART</td> <td><input type="checkbox"/></td> </tr> <tr> <td>STN Easy®</td> <td colspan="2"></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Learning Database</td> <td><input type="checkbox"/></td> <td>Structures</td> <td><input checked="" type="checkbox"/></td> </tr> </table>	Alerts (SDIs)	Monthly, weekly or with each update (2 updates per week) (every update is the default)			<a href="#">CAS Registry Number® Identifiers</a>	<input type="checkbox"/>	Page Images	<input type="checkbox"/>	STN® AnaVist™			<input type="checkbox"/>	Keep & Share	<input type="checkbox"/>	SLART	<input type="checkbox"/>	STN Easy®			<input type="checkbox"/>	Learning Database	<input type="checkbox"/>	Structures	<input checked="" type="checkbox"/>
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<b>Record Content</b>	<ul style="list-style-type: none"> <li>Markush structures from approx. 890,000 Derwent World Patents Index (DWPI) documents</li> </ul>																								
<b>File Size</b>	<ul style="list-style-type: none"> <li>More than 2.1 million records (04/2019)</li> </ul>																								
<b>Coverage</b>	1961 to date																								
<b>Updates</b>	Twice-weekly																								
<b>Language</b>	English																								
<b>Database Producer</b>	<p>Clarivate Analytics (UK) Limited          Friars House, 160 Blackfriars Rd.          London SE1 8EZ          United Kingdom</p> <p>Copyright Holder: Clarivate Analytics</p>																								
<b>Sources</b>	For patents included in Derwent World Patents Index, DWPI Markush includes indexed structures from claims, examples, disclosure																								
<b>User Aids</b>	<ul style="list-style-type: none"> <li>Derwent Markush Resource on STN – Reference Manual</li> <li>Building and Searching Structures on STN</li> <li>Online Helps (HELP DIRECTORY lists all help messages available)</li> <li>STNGUIDE</li> </ul>																								
<b>Clusters</b>	File currently not available in clusters.																								
<b>Pricing</b>	Enter HELP COST at an arrow prompt.																								
<b>Related Databases</b>	WPIDS/WPINDEX/WPIX																								

## Search and Display Field Codes

Search Field Name	Search Code	Search Examples	Display Codes
Accession Number Entry Date Markush Descriptor	/AN /ED /MDE	S 9925-IWL05/AN S 20151029/ED S S/MDE S SINGLE SPECIFIC STRUCTURE/MDE	AN ED MDE
Substance Descriptor (default)	/SDM	S N/SDM S NATURAL POLYMERS/SDM	SDM
Update Date	/UP	S UP=NOV 2017	UP

## DISPLAY and PRINT Formats

Any combination of formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 AN ED. The fields are displayed or printed in the order requested.

Hit-term highlighting is available for all fields. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

Format	Content	Examples
AN ED MDE (1) SDM	Accession Number Entry Date Markush Descriptor Substance Descriptor	D AN D ED D MDE D SDM
ALL (FULL) IALL (IFULL) ASB (STD, IDE) IASB (ISTD) BRIEF  SCAN TRIAL (TRI, SAMPLE, SAM)	AN, SDM, STR, ED, UP (ASB is default) (complete Markush structure) ALL, indented with text labels (complete Markush structure) Assembled hit structure including parts of the MARKUSH structure that match the query structure ASB, indented with text labels  ASB plus definitions for unmatched G-groups that are visible in the assembled display SDM, ASB, ED, UP (random display, no answer numbers) SDM, ASB, ED, UP	D ALL  D IALL  D ASB  D IASB  D BRIEF  D SCAN D TRIAL
HIT KWIC OCC	Hit term(s) and field(s) Up to 50 words before and after hit term(s) (KeyWord-In-Context) Number of occurrences of hit term(s) and field(s) in which they occur	D HIT D KWIC D OCC

(1) Custom display only.

## Structure Searching

Terms	Search Examples
L-numbers of structures built using the STRUCTURE editor in STNext	SEARCH L1 SSS SAM S L1 SSS FULL

## Types of Structure Searching

Type	Definition	Search Code	Search Examples
Substructure (default)	Search for substances which match the query. Substitution is allowed at all open positions. Additional components may be retrieved.	SSS	SEARCH L1 SSS S L2 OR L3 SSS S L7 SSS
Closed Substructure	Search for substances which match the query exactly. Substitution is allowed at positions opened by CONNECT. Additional components may be retrieved.	CSS	SEARCH L1 CSS S L2 NOT L3 CSS S L4 OR L5 CSS

## Scopes of Structure Searching

Scope	Definition	Search Code	Search Examples
Full Sample (default)	Search 100% of the file Search a fixed 10% of the file (a maximum of 50 records displayed)	FUL SAM	S L5 OR L8 SSS S L6 SSS SAM

## Limiting Search Codes

Only an L-number for an answer set created in DWPIM may be limited.

Search Field Name	Search Code	Search Examples	Display Codes
Answers completely iterated Answers incompletely iterated	/COM /INC	S L4/COM S L4/INC	Not displayed Not displayed

**DWPIM****SELECT, ANALYZE, and SORT Fields**

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Accession Number	AN	Y (default)	Y
Entry Date	ED	Y	Y
Markush Descriptor	DE	Y	Y
Substance Descriptor	SDM	Y	Y
Update Date	UP	Y	Y

**Crossover from DWPIM to WPIX, WPIDS, or WPINDEX**

The crossover from DWPIM results to WPIX, WPIDS or WPINDEX is established by performing a search of the respective DWPIM L-number in WPIX respectively WPIDS or WPINDEX.

```
=> FIL DWPIM
=> S L-number search type (e.g. L1 sss ful)
=> FIL WPIX
=> s L-number
=> d L-number
```

The assembled display is the default display in WPIX. The commands for the assembled, brief and full hit structure in WPIX are as follows:

```
=> d L-number ahitstr
=> d L-number bhitstr
=> d L-number fhitstr
```

**Crossover of Compounds from WPIX, WPIDS, or WPINDEX to DWPIM**

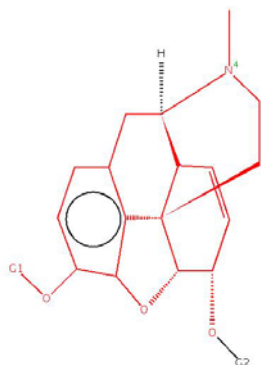
Markush compounds from WPIX, WPIDS or WPINDEX records can be extracted and displayed in DWPIM by applying the transfer command. It is important to note that this step requires a reassignment of compound suffix MCN to AN.

The workflow is described in the following:

```
Fil DWPIM
Tra L-number WPIX record [range] MCN /AN
Example: Tra L1 1-3 MCN /AN
```

**SAMPLE Record****DISPLAY ALL**

AN 2091-38502 DWPIIM

SDM B: Pharmaceuticals, Agrochemicals; V: Simple organic compounds; Y:  
Mixtures

G-GROUP 1

H C XX

G-GROUP 2

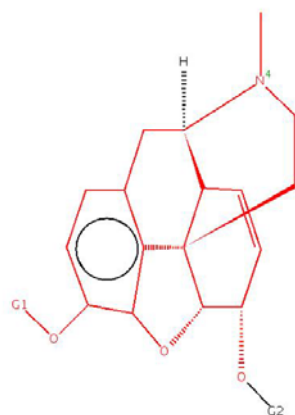
H C XX

ED 20180409

UP 20180409

**DISPLAY BRIEF**

AN 2091-38502 DWPIIM

SDM B: Pharmaceuticals, Agrochemicals; V: Simple organic compounds; Y:  
Mixtures

G-GROUP 1

H C XX

ED 20180409

UP 20180409

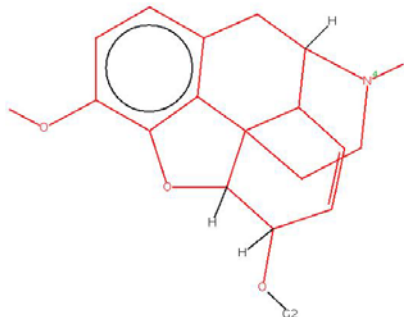
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DWPIM

DISPLAY ASB

AN 2091-38502 DWPIM

SDM B: Pharmaceuticals, Agrochemicals; V: Simple organic compounds; Y: Mixtures



ED 20180409

UP 20180409

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