

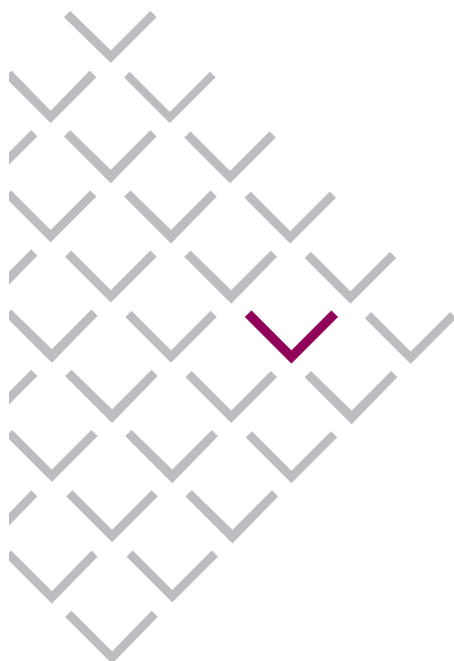


Chemical Abstracts Service
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STNNotes

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Searching CAplusSM Super Roles and Document Types in REGISTRY

You can now refine substance searches in REGISTRY with super roles and document type information from CAplus.

In response to customer requests for more detailed information on new and enhanced system features, we have created STNotes. STNotes give you the in-depth technical details you need for efficient use of STN. We hope you find this information useful. Please let us know how we can continue to improve in meeting your technical information needs.

Starting in May 2004, you can refine any substance search—structure, sequence, name, or other dictionary term-based search—directly in the REGISTRY or ZREGISTRY file by using the following information from the corresponding references in CAplus:

- Super roles from the indexing field for the substances
- Document types

With this enhancement, you can easily find the following directly in the REGISTRY file:

- Find substances reported in patents or non-patent literature
- Find substances used as reagents or reactants
- Find substances whose preparation was disclosed in a patent

In addition, you can use the super roles and document type information to:

- Reduce the size of a REGISTRY answer set for more efficient crossover to other files
- Create file subsets for structure searching



Super roles and document types in CAplus

Every CAS Registry Number® index entry appearing in CAplus from 1967 to the present has one or more CAS roles as well as super roles assigned to it. Super roles are generated from specific roles. For example, all specific roles dealing with different types of preparation, such as IMF (Industrial Preparation) or SPN (Synthetic Preparation), generate the super role PREP (Preparation).

Roles are assigned to indexed specific substances as well as non-specific derivatives. Specific substances are identified in CA index entries by CAS Registry Numbers. A non-specific derivative is identified by a CAS Registry Number followed by “D” and followed by a textual description, e.g., derivs.

In addition, document types, e.g., Patent, Journal, Book, are identified in the Document Type (DT) field of CAplus and CASM records.

CAS Super Roles

Super role code	Super role phrase
ANST	Analytical study
BIOL	Biological study
CMBI	Combinatorial study
FORM	Formation, non-preparative
MSC	Miscellaneous
OCCU	Occurrence
PREP	Preparation
PROC	Process
PRP	Properties
RACT	Reactant or reagent
USES	Uses

An index entry for oxazolidine from a CAplus patent record.

```
DT Patent
IT 126-11-4, Trihydroxymethyl)nitromethane
140-95-4, Dimethylolurea 504-76-7, Oxazolidine
1017-56-7, Trimethylolmelamine
RL: MOA (Modifier or additive use); USES (Uses)
(hardener; thermosetting adhesive composition
based on condensed tannins and use thereof in
the wood industry)
```

Oxazolidine is identified by CAS Registry Number 504-76-7. The super role is USES.

An index entry for a non-specific derivative of oxazolidine from a CAplus patent record.

```
DT Patent
IT 504-76-7D, Oxazolidine, derivs.
RL: MOA (Modifier or additive use); TEM
(Technical or engineered material use); USES
(Uses)
(moisture-sensitive crosslinkers; oxazolidine
derivative-cured polyurethane adhesives for
moist wood)
```

504-76-7D indicates a non-specific derivative of oxazolidine. USES is the super role.

Searching super roles and document types in REGISTRY

You can search the same super roles in REGISTRY as in CAplus or CA. Use either the codes or the phrases for super roles.

To search a super role in REGISTRY, combine the results of a substance search with a super role term in one of the new search fields listed in the table.

Records for substances indexed only from pre-1967 documents do not contain roles. This information is displayed and searched in the Role (/RL) field.

RL NORL (No role in record)

You may search for the presence or absence of super roles in the Field Availability (/FA) search field in REGISTRY.

You can also refine a substance answer set by CAplus document type directly in REGISTRY. A new search field in REGISTRY, /DT.CA, contains the codes and text for the following document types from CAplus: B (Book), C (Conference), D (Dissertation), J (Journal), P (Patent), N (Preprint), R or T (Report).

Search fields for super roles and document types in REGISTRY

REGISTRY search field	Substances retrieved	Document types retrieved
/RL	Specific substances	All document types
/RLD	Non-specific derivatives	All document types
/RLS	Specific substances and non-specific derivatives	All document types
/RL.P	Specific substances	Patents
/RLD.P	Non-specific derivatives	Patents
/RLS.P	Specific substances and non-specific derivatives	Patents
/RL.NP	Specific substances	Non-patent documents
/RLD.NP	Non-specific derivatives	Non-patent documents
/RLS.NP	Specific substances and non-specific derivatives	Non-patent documents

Find oxazoles whose preparation was reported in patents.

```

=> FILE REGISTRY
=> S OXAZOLE?
L2      67916 OXAZOLE?

=> S L2 AND PREP/RLS.P
L3      26586 L2 AND PREP/RLS.P

=> D 1

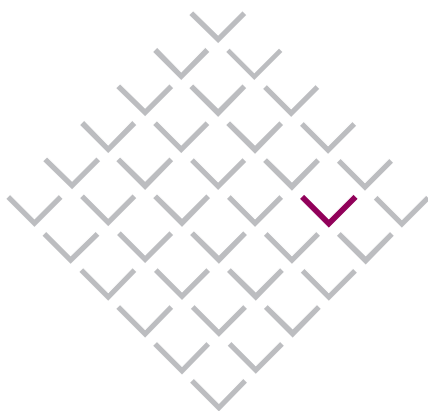
L3      ANSWER 1 OF 26586 REGISTRY COPYRIGHT 2004 ACS
        on STN
RN      674323-49-0 REGISTRY
CN      3(2H)-Benzoxazolepropanamide, N-[(2R,3S)-3-amino-
        4-(3,5-difluorophenyl)-2-hydroxybutyl]-N-[(3-
        ethylphenyl)methyl]-2-oxo- (9CI) (CA INDEX NAME)
FS      STEREOSEARCH
MF      C29 H31 F2 N3 O4
SR      CA
LC      STN Files: CA, CAPLUS, TOXCENTER
DT.CA   CAplus document type: Patent
RL.P    Roles from patents: BIOL (Biological study);
        PREP (Preparation); USES (Uses)
        .
        .
        .
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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Enter
REGISTRY.

Search
substance
information.
Search PREP
/RLS.P to find
substances
with their
preparation
disclosed
in patents.

Display
an answer.



Displaying super roles and document types in REGISTRY

New REGISTRY display fields were added with super roles and document type information associated with CAplus CAS Registry Number index entries for specific substances and non-specific derivatives.

For more information

Enter HELP ROLES at an arrow prompt in REGISTRY or ZREGISTRY for information on searching super roles in REGISTRY or ZREGISTRY.

Refer to the REGISTRY and ZREGISTRY Database Summary Sheets at:

www.cas.org/ONLINE/DBSS/dbsslist.html

For web access to STNotes, visit:

www.cas.org/ONLINE/STN/STNOTES/stnotescover.html

Display fields for super roles and document types in REGISTRY

REGISTRY display field	Content
DT.CA	CAplus document type
RL.P	CAplus super roles for the substance from patents
RLD.P	CAplus super roles for non-specific derivatives from patents
RL.NP	CAplus super roles for the substance from non-patents
RLD.NP	CAplus super roles for non-specific derivatives from non-patents

A REGISTRY record with super roles and document type information.

```

RN  504-76-7  REGISTRY
CN  Oxazolidine (7CI, 8CI, 9CI)  (CA INDEX NAME)
OTHER NAMES:
      :
      :
DT.CA  CAplus document type:  Conference; Dissertation;
      Journal; Patent; Report
RL.P   Roles from patents:  BIOL (Biological study);
      PREP (Preparation); PROC (Process); PRP
      (Properties); RACT (Reactant or reagent); USES
      (Uses); NORL (No role in record)
RLD.P  Roles for non-specific Derivatives from patents:
      ANST (Analytical study); BIOL (Biological study);
      FORM (Formation, nonpreparative);
      PREP(Preparation); PROC (Process); PRP
      (Properties); RACT (Reactant or reagent); USES
      (Uses)
RL.NP  Roles from non-patents:  ANST (Analytical study);
      BIOL (Biological study); PREP (Preparation); PROC
      (Process); PRP (Properties); RACT (Reactant or
      reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific Derivatives from non-
      patents:  ANST (Analytical study); BIOL
      (Biological study); FORM (Formation,
      nonpreparative); MSC (Miscellaneous); PREP
      (Preparation); PROC (Process); PRP (Properties);
      RACT (Reactant or reagent); USES (Uses)
      :
      :
  
```