4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-[(2-phenoxyacetyl)amino]-, (2S,5R,6R)- (cas 87-08-1) MSDS

MSDS

CAS: 87-08-1
SYNONYMS:
- Acipen V
- Apopen
- Calcipen
- Compocillin V
- Crystapen V
- Distaquaine V
- Eskacillin V
- Fenacillin
- Fencopen
- Meropenin
- Oracillin
- Oratren
- Oopen
- Penicillin phenoxymethyl
- Penicillin V
- Pen-Oral
- Pen-Vee
- Phenopenicillin
- 6-Phenoxyacetamidopenicillanic acid
- Phenoxyethylpenicillin
- Phenoxyethylpenicillinic acid
- Rocilin
- Stabicillin
- V-Cil
- V-Cillin
- V-Cyline
- Vebecillin
- V-Tablopen

Click http://www.guidechem.com/cas-87-08-1.html for suppliers of this product
RTECS NUMBER : RY4025000
CHEMICAL NAME : Penicillanic acid, 6-phenoxyacetamido-
CAS REGISTRY NUMBER : 87-08-1
BEILSTEIN REFERENCE NO. : 0096259
REFERENCE : 4-27-00-05884 (Beilstein Handbook Reference)
LAST UPDATED : 199612
DATA ITEMS CITED : 15
MOLECULAR FORMULA : C16-H18-N2-O5-S
MOLECULAR WEIGHT : 350.42
WISWESSER LINE NOTATION : T45 ANV ESTJ CMV1OR& F1 F1 GVQ
COMPOUND DESCRIPTOR : Drug
Mutagen
Human

SYNONYMS/TRADE NAMES :
* Acipen V
* Apopen
* Calcipen
* Compocillin V
* Crystapen V
* Distaquaine V
* Eskacillin V
* Fenacillin
* Fenospen
* Meropenin
* Oracillin
* Oratren
* Ospen
* Penicillin phenoxyethyl
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* Phenoxyethylpenicillin
* Phenoxyethylpenicillanic acid
* Rocilin
* Stabicillin
* V-Cil
* V-Cillin
* V-Cyline
* Vebecillin
* V-Tablopen
*** HEALTH HAZARD DATA ***

** ACUTE TOXICITY DATA **

<table>
<thead>
<tr>
<th>TYPE OF TEST</th>
<th>TDLo - Lowest published toxic dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROUTE OF EXPOSURE</td>
<td>Oral</td>
</tr>
<tr>
<td>SPECIES OBSERVED</td>
<td>Human - woman</td>
</tr>
<tr>
<td>DOSE/DURATION</td>
<td>10 mg/kg/2D</td>
</tr>
<tr>
<td>TOXIC EFFECTS</td>
<td>liver - liver function tests impaired</td>
</tr>
<tr>
<td></td>
<td>Skin and Appendages - dermatitis, other (after systemic exposure)</td>
</tr>
<tr>
<td></td>
<td>Nutritional and Gross Metabolic - body temperature increase</td>
</tr>
<tr>
<td>REFERENCE</td>
<td>LANCAO Lancet. (7 Adam St., London WC2N 6AD, UK) V.1- 1823-</td>
</tr>
<tr>
<td></td>
<td>Volume(issue)/page/year: 2,1297,1976</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TYPE OF TEST</th>
<th>LD50 - Lethal dose, 50 percent kill</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROUTE OF EXPOSURE</td>
<td>Oral</td>
</tr>
<tr>
<td>SPECIES OBSERVED</td>
<td>Rodent - rat</td>
</tr>
<tr>
<td>DOSE/DURATION</td>
<td>&gt;2220 mg/kg</td>
</tr>
<tr>
<td>TOXIC EFFECTS</td>
<td>Behavioral - somnolence (general depressed activity)</td>
</tr>
<tr>
<td></td>
<td>Lungs, Thorax, or Respiration - other changes</td>
</tr>
<tr>
<td>REFERENCE</td>
<td>ABANAE Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACCQ. Volume(issue)/page/year: 3,534,1955/1956</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TYPE OF TEST</th>
<th>LD50 - Lethal dose, 50 percent kill</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROUTE OF EXPOSURE</td>
<td>Intraperitoneal</td>
</tr>
<tr>
<td>SPECIES OBSERVED</td>
<td>Rodent - rat</td>
</tr>
<tr>
<td>DOSE/DURATION</td>
<td>&gt;2 gm/kg</td>
</tr>
<tr>
<td>TOXIC EFFECTS</td>
<td>Behavioral - somnolence (general depressed activity)</td>
</tr>
<tr>
<td></td>
<td>Lungs, Thorax, or Respiration - other changes</td>
</tr>
<tr>
<td>REFERENCE</td>
<td>ABANAE Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACCQ. Volume(issue)/page/year: 3,534,1955/1956</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TYPE OF TEST</th>
<th>LD50 - Lethal dose, 50 percent kill</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROUTE OF EXPOSURE</td>
<td>Intravenous</td>
</tr>
<tr>
<td>SPECIES OBSERVED</td>
<td>Rodent - rat</td>
</tr>
<tr>
<td>DOSE/DURATION</td>
<td>&gt;1775 mg/kg</td>
</tr>
<tr>
<td>TOXIC EFFECTS</td>
<td></td>
</tr>
</tbody>
</table>
Behavioral - somnolence (general depressed activity)
Lungs, Thorax, or Respiration - other changes

REFERENCE:
ABANAE Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACCQ. Volume(issue)/page/year: 3,534,1955/1956

TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Intramuscular
SPECIES OBSERVED: Rodent - rat
DOSE/DURATION: >1600 mg/kg

TOXIC EFFECTS:
Behavioral - somnolence (general depressed activity)
Lungs, Thorax, or Respiration - other changes

REFERENCE:
ABANAE Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACCQ. Volume(issue)/page/year: 3,534,1955/1956

TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Oral
SPECIES OBSERVED: Rodent - mouse
DOSE/DURATION: 6578 mg/kg

TOXIC EFFECTS:
Details of toxic effects not reported other than lethal dose value

REFERENCE:
ANTBAL Antibiotiki. (Moscow, USSR) V.1-29, 1956-84. For publisher information, see AMBIEH. Volume(issue)/page/year: 3(4),37,1958

TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Intraperitoneal
SPECIES OBSERVED: Rodent - mouse
DOSE/DURATION: 1351 mg/kg

TOXIC EFFECTS:
Details of toxic effects not reported other than lethal dose value

REFERENCE:
ABANAE Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACCQ. Volume(issue)/page/year: 3,540,1955/1956

TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Subcutaneous
SPECIES OBSERVED: Rodent - mouse
DOSE/DURATION: >4 gm/kg

TOXIC EFFECTS:
Details of toxic effects not reported other than lethal dose value

REFERENCE:
TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Intramuscular
SPECIES OBSERVED: Rodent - mouse
DOSE/DURATION: >1775 mg/kg

TOXIC EFFECTS:
- Behavioral - somnolence (general depressed activity)
- Lungs, Thorax, or Respiration - other changes

REFERENCE:
ABANAE Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACCQ. Volume(issue)/page/year: 3,540,1955/1956

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TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Intraperitoneal
SPECIES OBSERVED: Rodent - guinea pig
DOSE/DURATION: 822 mg/kg

TOXIC EFFECTS:
- Behavioral - somnolence (general depressed activity)
- Lungs, Thorax, or Respiration - other changes

REFERENCE:
ABANAE Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACCQ. Volume(issue)/page/year: 3,534,1955/1956

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TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Intramuscular
SPECIES OBSERVED: Rodent - guinea pig
DOSE/DURATION: 1096 mg/kg

TOXIC EFFECTS:
- Behavioral - somnolence (general depressed activity)
- Lungs, Thorax, or Respiration - other changes

REFERENCE:
ABANAE Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACCQ. Volume(issue)/page/year: 3,534,1955/1956

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** MUTATION DATA **

TYPE OF TEST: DNA inhibition
TEST SYSTEM: Rodent - mouse Ascites tumor
DOSE/DURATION: 200 ug/L

REFERENCE:
NEOLA4 Neoplasma. (Karger-Libri, P.O. Box, CH-4009 Basel, Switzerland) V.4-
TYPE OF TEST : Mutation test systems - not otherwise specified
TEST SYSTEM : Rodent - mouse Ascites tumor
DOSE/DURATION : 200 ug/L

REFERENCE :
NEOLA4 Neoplasma. (Karger-Libri, P.O. Box, CH-4009 Basel, Switzerland) V.4-

*** NIOSH STANDARDS DEVELOPMENT AND SURVEILLANCE DATA ***

NIOSH OCCUPATIONAL EXPOSURE SURVEY DATA :
NOHS Hazard Code - 83957
No. of Facilities: 61 (estimated)
No. of Industries: 2
No. of Occupations: 6
No. of Employees: 2874 (estimated)

NOES Hazard Code - 83957
No. of Facilities: 114 (estimated)
No. of Industries: 2
No. of Occupations: 2
No. of Employees: 1964 (estimated)
No. of Female Employees: 959 (estimated)

*** END OF RECORD ***