

**Safety Data Sheet**

according to UK REACH Regulation

**(S)-Desethyl-Etomidate**

Revision date: 24.03.2022

Product code: 1782

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

(S)-Desethyl-Etomidate

**Further trade names**

1H-Imidazole-5-carboxylic acid, 1-[(1S)-1-phenylethyl]-

**Synonyms:**

(S)-(-)-1-(1-Phenylethyl)-1H-imidazole-5-carboxylic acid; 1H-Imidazole-5-carboxylic acid, 1-(1-phenylethyl)-, (S)-; 1H-Imidazole-5-carboxylic acid, 1-[(1S)-1-phenylethyl]-

CAS No: 56649-49-1

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

(S)-Desethyl-Etomidate may be used as precursor for the synthesis of (S)-[11C]Metomidate, (S)-[11C]Etomidate, (S)-[18F]Fluoroethyletomidate

**1.3. Details of the supplier of the safety data sheet**

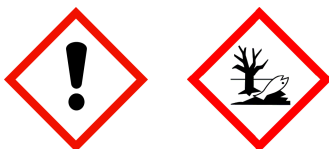
|                 |   |                               |
|-----------------|---|-------------------------------|
| Company name:   | ABX advanced biochemical compounds<br>Biomedizinische Forschungsreagenzien GmbH |                               |
| Street:         | Heinrich-Gläser-Straße 10-14  |                               |
| Place:          | 01454 Radeberg  |                               |
| Telephone:      | +49 3528 4041 60  | Telefax: +49 3528 4041 65     |
| e-mail:         | info@abx.de   |                               |
| Contact person: | Dr. Christoph Meyer   | Telephone: +49 3528 4041 8732 |
| e-mail:         | meyer@abx.de  |                               |
| Internet:       | http://www.abx.de   |                               |

**1.4. Emergency telephone number:** +49 3528 4041 60**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**Acute Tox. 4; H302  
Aquatic Chronic 1; H410

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****GB CLP Regulation****Hazard components for labelling**

(R)-Desethyl-Etomidate

**Signal word:** Warning**Pictograms:****Hazard statements**H302 Harmful if swallowed.  
H410 Very toxic to aquatic life with long lasting effects.

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**Precautionary statements**

|           |   |
|-----------|---|
| P270      | Do not eat, drink or smoke when using this product.           |
| P273      | Avoid release to the environment.                             |
| P301+P312 | IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. |
| P330      | Rinse mouth.  |
| P391      | Collect spillage.   |

**SECTION 3: Composition/information on ingredients****3.1. Substances****Chemical characterization**

1H-Imidazole-5-carboxylic acid, 1-[(1S)-1-phenylethyl]-

Sum formula: C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>

Molecular weight: 216.24

**Hazardous components**

| CAS No     | Chemical name                              | Quantity     |
|------------|--|--------------|
|            | EC No                                      | Index No     |
|            | REACH No                                   |              |
|            | Classification (GB CLP Regulation)         |              |
| 56649-49-1 | (S)-Desethyl-Etomidate                     | 95 - < 100 % |
|            | Acute Tox. 4, Aquatic Chronic 1; H302 H410 |              |

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

| CAS No     | EC No | Chemical name                            | Quantity     |
|------------|-------|--|--------------|
|            |       | Specific Conc. Limits, M-factors and ATE |              |
| 56649-49-1 |       | (S)-Desethyl-Etomidate                   | 95 - < 100 % |
|            |       | oral: ATE = 500 mg/kg                    |              |

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Provide fresh air.

**After contact with skin**

After contact with skin, wash immediately with: Water. Change contaminated clothing.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

If swallowed, immediately drink: Water.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Co-ordinate fire-fighting measures to the fire surroundings. Suitable extinguishing media: Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Atomized water.**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

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### SECTION 6: Accidental release measures

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

#### **6.3. Methods and material for containment and cleaning up**

##### **Other information**

Take up dust-free and set down dust-free. Treat the recovered material as prescribed in the section on waste disposal.

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

##### **Advice on general occupational hygiene**

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

#### **7.2. Conditions for safe storage, including any incompatibilities**

##### **Requirements for storage rooms and vessels**

Keep container tightly closed.

##### **Further information on storage conditions**

Recommended storage temperature:

of °C: -25

up to °C: -15

Protect against: Light.

Store under (Gas): argon. Nitrogen.

### SECTION 8: Exposure controls/personal protection

#### **8.1. Control parameters**

##### **Additional advice on limit values**

To date, no national critical limit values exist.

#### **8.2. Exposure controls**

##### **Individual protection measures, such as personal protective equipment**

##### **Eye/face protection**

Tightly sealed safety glasses.

##### **Hand protection**

Single-use gloves. NBR (Nitrile rubber).

##### **Skin protection**

Lab apron. Chemical resistant safety shoes.

### SECTION 9: Physical and chemical properties

#### **9.1. Information on basic physical and chemical properties**

Physical state: solid  
Colour: whitish

##### **Changes in the physical state**

Melting point/freezing point: 146 - 155 °C

##### **Solubility in other solvents**

dimethylsulphoxide (DMSO).

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**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

Light.

**10.6. Hazardous decomposition products**

Carbon dioxide. Carbon monoxide. Nitrogen oxides (NOx).

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

| CAS No     | Chemical name          |              |         |        |        |
|------------|------------------------|--------------|---------|--------|--------|
|            | Exposure route         | Dose         | Species | Source | Method |
| 56649-49-1 | (S)-Desethyl-Etomidate |              |         |        |        |
|            | oral                   | ATE<br>mg/kg | 500     |        |        |

**SECTION 12: Ecological information****12.5. Results of PBT and vPvB assessment**

This substance does not meet the PBT/vPvB criteria of UK REACH.

**12.6. Endocrine disrupting properties**

This substance does not have endocrine disrupting properties with respect to non-target organisms.

**Further information**

Do not allow to enter into surface water or drains.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains.

**List of Wastes Code - residues/unused products**

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing hazardous substances; hazardous waste

**List of Wastes Code - used product**

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

**Contaminated packaging**

Non-contaminated packages may be recycled.

**SECTION 14: Transport information****Other applicable information**

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Not a hazardous material with respect to these transportation regulations.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water hazard class (D): 3 - highly hazardous to water

**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

|      |   |
|------|---|
| H302 | Harmful if swallowed.                                 |
| H410 | Very toxic to aquatic life with long lasting effects. |