

# Safety Data Sheet

according to UK REACH Regulation

## (+/-)-9-O-Desmethyl-alpha-dihydrotrabenazine

Revision date: 27.05.2022

Product code: 4700

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

(±)-9-O-Desmethyl-alpha-dihydrotrabenazine

#### Further trade names

2H-Benzo[a]quinolizine-2,9-diol, 1,3,4,6,7,11b-hexahydro-10-methoxy-3-(2-methylpropyl)-

#### Synonyms:

2H-Benzo[a]quinolizine-2,9-diol, 1,3,4,6,7,11b-hexahydro-3-isobutyl-10-methoxy-, stereoisomer;  
rac-9-O-Demethyl-DTBZ

CAS No: 5220-98-4

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Precursor for [11C]DTBZ

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

Company name:	ABX advanced biochemical compounds	
	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

#### 2.2. Label elements

##### GB CLP Regulation

##### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

##### Chemical characterization

2H-Benzo[a]quinolizine-2,9-diol, 1,3,4,6,7,11b-hexahydro-10-methoxy-3-(2-methylpropyl)-

Sum formula: C<sub>18</sub>H<sub>27</sub>NO<sub>3</sub>

Molecular weight: 305.41

##### Hazardous components

none (according to UK REACH Regulation)

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

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**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. Call a physician immediately.

### 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.

### 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 mechanically. 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**

Do not breathe dust. Conditions to avoid: skin contact. Eye contact. Wear personal protection equipment. When using do not eat, drink, smoke, sniff.

**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 dry. Keep container tightly closed.

**Further information on storage conditions**

Recommended storage temperature:

of °C: -25

up to °C: -15

### 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**

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### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust.

## SECTION 9: Physical and chemical properties

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

Physical state: solid  
Colour: light yellow  
Odour: odourless

### Changes in the physical state

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

### Solubility in other solvents

Chloroform dimethylsulphoxide (DMSO).

## SECTION 10: Stability and reactivity

### 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

#### Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

#### Further information

Toxicological data are not available.

## 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. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

#### 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

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**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**

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**