

# Safety Data Sheet

according to UK REACH Regulation

## MBETG

Revision date: 05.12.2024

Product code: 1118

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

#### 1.1. Product identifier

MBETG

#### Further trade names

4,6-O-Benzylidene-3-O-ethoxymethyl-2-O-trifluoromethanesulfonyl-1-O-methyl- $\beta$ -D-glucopyranoside  
subsubtitle: (2-[<sup>18</sup>F]Fluoro-2-deoxy-D-mannose)

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

##### Use of the substance/mixture

Precursor for [<sup>18</sup>F]FDM

#### 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

#### 2.1. Classification of the substance or mixture

##### GB CLP Regulation

This substance is not classified as hazardous in accordance with GB CLP Regulation.

#### 2.2. Label elements

##### GB CLP Regulation

##### Precautionary statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P270	Do not eat, drink or smoke when using this product.

#### 2.3. Other hazards

Warning - substance not yet tested completely.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

##### Chemical characterization

4,6-O-Benzylidene-3-O-ethoxymethyl-2-O-trifluoromethanesulfonyl-1-O-methyl- $\beta$ -D-glucopyranosideSum formula: C<sub>18</sub>H<sub>23</sub>F<sub>3</sub>O<sub>9</sub>S

Molecular weight: 472.43 g/mol

##### Relevant ingredients

none (according to UK REACH Regulation)

### SECTION 4: First aid measures

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### 4.1. Description of first aid measures

#### **After inhalation**

Provide fresh air. Medical treatment necessary.

#### **After contact with skin**

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

#### **After contact with eyes**

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

#### **After ingestion**

If swallowed, immediately drink: Water. Medical treatment necessary.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Suitable extinguishing media: Foam. Extinguishing powder. Atomized water. Carbon dioxide (CO<sub>2</sub>).

### 5.2. Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes.

### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### **Additional information**

Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### **General advice**

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

### 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. Clear contaminated areas thoroughly.

## 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. Do not breathe dust. When using do not eat, drink, smoke, sniff.

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

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. 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 the packing dry and well sealed to prevent contamination and absorption of humidity.

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### Further information on storage conditions

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

#### Appropriate engineering controls

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

#### 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 , crystalline

Colour: colourless

Solubility in other solvents

Chloroform ; ACN

## SECTION 10: Stability and reactivity

### 10.4. Conditions to avoid

Light.

### 10.5. Incompatible materials

Oxidizing agents, strong. Water.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. fluorhydric acid. Sulfur oxides.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in GB CLP Regulation

#### Irritation and corrosivity

Irritating to eyes. Following inhalation: Lung irritation. Coughing. shortage of breath. After skin contact: irritant.

### 11.2. Information on other hazards

#### Other information

May cause respiratory irritation. Frequently or prolonged contact with skin may cause dermal irritation. Irritant effect on the eye: slightly irritant but not relevant for classification.

#### Further information

Toxicological data are not available.

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### 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**

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

##### **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. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### **Other applicable information**

No dangerous good in sense of these transport 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