

# Safety Data Sheet

according to UK REACH Regulation

## 2-O-(Trifluoromethylsulfonyl)-1,3,5-tri-O-benzoyl-alpha-D-ribofuranose

Revision date: 27.04.2022

Product code: 2870

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

#### 1.1. Product identifier

2-O-(Trifluoromethylsulfonyl)-1,3,5-tri-O-benzoyl-alpha-D-ribofuranose

#### Further trade names

a-D-Ribofuranose, 1,3,5-tribenzoate 2-(trifluoro-methanesulfonate)

#### Synonyms:

1,3,5-Tri-O-benzoyl-2-O-(trifluoromethanesulfonyl)-a-D-ribofuranose; (2-O-(Trifluoromethylsulfonyl)

-1,3,5-tri-O-benzoyl-a-D-ribofuranose)

[18F]FEAU = 2'-[18F]Fluoro-5-ethyl-1-β-D-arabinofuranosyluracil

[18F]FMAU = 2'-deoxy-2'-[18F]Fluoro-5-methyl-1-β-D-arabinofuranosyluracil

CAS No: 97614-41-0

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

##### Use of the substance/mixture

Precursor 1 for [18F]FEAU and [18F]FMAU

#### 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

#### 2.3. Other hazards

Warning - substance not yet tested completely.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

##### Chemical characterization

a-D-Ribofuranose, 1,3,5-tribenzoate 2-(trifluoro-methanesulfonate)

Sum formula: C<sub>27</sub>H<sub>21</sub>F<sub>3</sub>O<sub>10</sub>S

Molecular weight: 594.51

##### Hazardous components

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.

**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.

### 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**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). 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 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

Store under (Gas): argon. Nitrogen.

Protect against: Light.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

**Additional advice on limit values**

To date, no national critical limit values exist.

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### **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: liquid viscous

Colour: light yellow

#### Changes in the physical state

#### Solubility in other solvents

Chloroform dimethylsulphoxide (DMSO).

## SECTION 10: Stability and reactivity

### **10.4. Conditions to avoid**

Light.

### **10.6. Hazardous decomposition products**

Sulfur oxides. Carbon dioxide. Carbon monoxide. Nitrogen oxides (NOx). fluorhydric acid.

## 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.

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

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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**

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