

**Material Safety Data Sheet**

according to ANSI Z400.1-2004

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

Print date: 23.04.2012

Product code: 2869

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

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

**Further trade names**

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

**Synonyms:**

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

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

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

**Chemical characterization ( substance )**

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

CAS No.: 339091-18-8

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

Company name:	ABX advanced biochemical compounds Biomedizinische Forschungsreagenzien GmbH		
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**Emergency telephone:** +49 3528 4041 60**SECTION 2: Hazards identification****Route(s) of Entry****Signs and Symptoms of Exposure**

Carcinogenicity (NTP): Toxicological data are not available.

Carcinogenicity (IARC): Toxicological data are not available.

Carcinogenicity (OSHA): Toxicological data are not available.

**Other hazards**

Warning - substance not yet tested completely.

**SECTION 3: Composition/information on ingredients****Substances**Sum formula: C<sub>27</sub>H<sub>21</sub>F<sub>3</sub>O<sub>10</sub>S

Molecular weight: 594.51

**SECTION 4: First aid measures**

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**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. Immediately get medical attention.

**SECTION 5: Firefighting measures****Extinguishing media****Suitable extinguishing media**Extinguishing materials should be selected according to the surrounding area. Suitable extinguishing media: Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Atomized water.**Advice for firefighters**

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

**Additional information**

Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment.

**SECTION 6: Accidental release measures****Environmental precautions**

Do not empty into drains or the aquatic environment.

**Methods and material for containment and cleaning up**

Collect mechanically. Treat the assimilated material according to the section on waste disposal.

**SECTION 7: Handling and storage****Precautions for safe handling****Advice on safe handling**

Do not breathe dust. Conditions to avoid: skin contact. Eye contact. Wear personal protection equipment. Do not eat, drink, smoke or sneeze at the workplace.

**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

Protect against: Light.

Store under (Gas): argon. Nitrogen.

**SECTION 8: Exposure controls/personal protection****Control parameters****Exposure controls**

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### Occupational exposure controls

In case of open handling equipment with built-in suction must be used. Do not breathe dust.

### Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and at the end of work. When using do not eat or drink.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Form: fest  
Color: colourless

### Test method

### Changes in the physical state

Solubility in other solvents: chloroform Dichloromethane: diethyl ether Methanol.

## SECTION 10: Stability and reactivity

Stability: Stable  
Possibility of Hazardous Reactions: Will not occur

### Conditions to avoid

Light.

### Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Sulfur oxides. Fluorines-carbon-hydrogens.

## SECTION 11: Toxicological information

### Information on toxicological effects

#### Additional information on tests

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

#### Further information

Toxicological data are not available.

## SECTION 12: Ecological information

### Further information

Do not empty into drains or the aquatic environment. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

## SECTION 13: Disposal considerations

### Waste treatment methods

#### Advice on disposal

Do not empty into drains or the aquatic environment. Waste disposal according to official state regulations.

#### Contaminated packaging

Cleaned containers may be recycled.

## SECTION 14: Transport information

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**US DOT 49 CFR 172.101****Proper shipping name**

Not a hazardous material with respect to transportation regulations.

**Other applicable information**

Not a hazardous material with respect to these transportation regulations.

**SECTION 15: Regulatory information****U.S. Regulations****SECTION 16: Other information****Hazardous Materials Information Label (HMIS)**

Health:	1
Flammability:	1
Physical Hazard:	1
Personal Protection:	C

**NFPA Hazard Ratings**

Health:	1
Flammability:	1
Reactivity:	1
Unique Hazard:	

