

Material Safety Data Sheet

according to ANSI Z400.1-2004

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

Print date: 20.04.2012

Product code: 2870

Page 1 of 4

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

Chemical characterization (substance)

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

CAS No.: 97614-41-0

Details of the supplier of the safety data sheet

Company name:	ABX advanced biochemical compounds Biomedizinische Forschungsreagenzien GmbH	
Street:	Heinrich-Gläserstraße 10-14	
Place:	D-01454 Radeberg	
Telephone:	+49 3528 4041 60	Telefax: +49 3528 4041 65
e-mail:	info@abx.de	
Contact person:	Dr. Jan Mollitor	Telephone: +49 3528 4041 718
e-mail:	mollitor@abx.de	
Internet:	http://www.abx.de	

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: C₂₇H₂₁F₃O₁₀S

Molecular weight: 594.51

SECTION 4: First aid measures

Material Safety Data Sheet

according to ANSI Z400.1-2004

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

Print date: 20.04.2012

Product code: 2870

Page 2 of 4

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**Extinguishing media****Suitable extinguishing media**Extinguishing materials should be selected according to the surrounding area. Suitable extinguishing media: Foam. Extinguishing powder. Carbon dioxide (CO₂). 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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal.

SECTION 7: Handling and storage**Precautions for safe handling****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**Control parameters****Exposure controls****Protective and hygiene measures**

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

Material Safety Data Sheet

according to ANSI Z400.1-2004

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

Print date: 20.04.2012

Product code: 2870

Page 3 of 4

eat or drink.

Hand protection

Single-use gloves. NBR (Nitrile rubber).

Eye protection

Tightly sealed safety glasses.

Skin protection

Lab apron. Chemical resistant safety shoes.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Form: liquid viscous
Color: light yellow

Test method**Changes in the physical state**

Solubility in other solvents: chloroform dimethylsulphoxide (DMSO).

SECTION 10: Stability and reactivity

Stability: Stable
Possibility of Hazardous Reactions: Will not occur

Conditions to avoid

Light.

Hazardous decomposition products

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

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.

Contaminated packaging

Cleaned containers may be recycled.

Material Safety Data Sheet

according to ANSI Z400.1-2004

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

Print date: 20.04.2012

Product code: 2870

Page 4 of 4

SECTION 14: Transport information**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:	

