

# Safety Data Sheet

according to UK REACH Regulation

## Precursor for [18F]-FET

Revision date: 01.07.2022

Product code: 3051.XXXX

Page 1 of 4

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

#### 1.1. Product identifier

Precursor for [18F]-FET

##### Further trade names

L-Tyrosine, O-[2-[[[(4-methylphenyl)sulfonyl]oxy]ethyl]-N-(triphenylmethyl)-1,1-dimethylethyl ester

Synonyme: L-Tyrosine, O-(2-tosyloxyethyl)-N-trityl, tert-butyl ester; (2S)-O-(2'-tosyloxyethyl)-N-trityl-tyrosine-tert-butyl ester

CAS No: 478037-15-9

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

##### Use of the substance/mixture

Precursor für O-(2-[18F]Fluoroethyl)-L-tyrosine

#### 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

##### Hazard statements

H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.

##### Precautionary statements

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

#### 2.3. Other hazards

Warning - substance not yet tested completely.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Sum formula:	C41H43NO6S
Molecular weight:	677.85

##### Hazardous components

none (according to UK REACH Regulation)

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

# Safety Data Sheet

according to UK REACH Regulation

**Precursor for [18F]-FET**

Revision date: 01.07.2022

Product code: 3051.XXXX

Page 2 of 4

**After inhalation**

In case of breathing difficulties administer oxygen. Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

**After contact with skin**

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

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink plenty of water. Medical treatment necessary.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

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

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

In case of fire may be liberated: Nitrogen oxides (NO<sub>x</sub>). Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Sulfur oxides.

**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**

Avoid generation of dust. 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**

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

**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 container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Keep container in a well-ventilated place.

**Further information on storage conditions**

Recommended storage temperature: :

# Safety Data Sheet

according to UK REACH Regulation

## Precursor for [18F]-FET

Revision date: 01.07.2022

Product code: 3051.XXXX

Page 3 of 4

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

##### 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

Eye protection: Tightly sealed safety glasses.

##### Hand protection

Tested protective gloves are to be worn: Single-use gloves. NBR (Nitrile rubber).

##### Skin protection

Body 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

Colour: whitish

##### Changes in the physical state

### SECTION 10: Stability and reactivity

#### 10.4. Conditions to avoid

Light.

#### 10.5. Incompatible materials

Water. Oxidizing agents, strong.

### SECTION 11: Toxicological information

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

##### Acute toxicity

Acute toxicity, oral. Acute toxicity, inhalant. Acute toxicity, dermal.

##### 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

## Safety Data Sheet

according to UK REACH Regulation

### Precursor for [18F]-FET

Revision date: 01.07.2022

Product code: 3051.XXXX

Page 4 of 4

method of the Preparations Directive (1999/45/EC).

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### 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 - 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

## 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

### Relevant H and EUH statements (number and full text)

H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.