

**Material Safety Data Sheet**

according to ANSI Z400.1-2004

**Precursor for [18F]FPyBrA and [18F]FPyME**

Print date: 15.03.2012

Product code: 4393

Page 1 of 4

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

Precursor for [18F]FPyBrA and [18F]FPyME

**Further trade names**

2-Pyridinium, 3-[3-[(1,1-dimethylethoxy)carbonyl]amino]propoxy]-N,N,N-trimethyl-,  
1,1,1-trifluoromethanesulfonate (1:1); 2-Pyridinium, 3-[3-  
[(1,1-dimethylethoxy)carbonyl]amino]propoxy]-N,N,N-trimethyl-, salt with trifluoromethanesulfonic acid  
(1:1)

Synonyms:

(2-Bromo-N-[3-(2-[18F]fluoropyridin-3-yloxy)propylacetamide) resp. (1-[3-(2-  
[18F]Fluoropyridin-3-yloxy)propyl]pyrrole-2,5-dione)  
FPyBrA Precursor; FPyME Precursor

**Chemical characterization ( substance )**

(2-Bromo-N-[3-(2-[18F]fluoropyridin-3-yloxy)propylacetamide) resp. (1-[3-(2-  
[18F]Fluoropyridin-3-yloxy)propyl]pyrrole-2,5-dione)

CAS No.: 640749-64-0

**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**

Toxicological data are not available.

**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>16</sub>H<sub>28</sub>N<sub>3</sub>O<sub>3</sub> x CF<sub>3</sub>O<sub>3</sub>S

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Print date: 15.03.2012

Product code: 4393

Page 2 of 4

Molecular weight: 459.48

**SECTION 4: First aid measures****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**

**Material Safety Data Sheet**

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Print date: 15.03.2012

Product code: 4393

Page 3 of 4

**Control parameters****Exposure controls****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:	solid
Color:	colourless

**Test method****Changes in the physical state**

Melting point: 96 - 104 °C

Water solubility: insoluble

Solubility in other solvents: chloroform Dichloromethane: dimethylsulphoxide (DMSO).

**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. Nitrogen oxides (NO<sub>x</sub>). 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.

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Page 4 of 4

**Contaminated packaging**

Cleaned containers may be recycled.

**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