

# Safety Data Sheet

according to UK REACH Regulation

## 6-Fluorodopamine

Revision date: 22.03.2022

Product code: 1380

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

#### 1.1. Product identifier

6-Fluorodopamine

#### Further trade names

1,2-Benzenediol, 4-(2-aminoethyl)-5-fluoro-

#### Synonyms:

6-Fluorodopamine; 4-(2-Aminoethyl)-5-fluorobenzene-1,2-diol; 4-Fluoro-5-(2-aminoethyl)benzene-1,2-diol

CAS No: 71144-39-3

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

##### Use of the substance/mixture

Reference standard for 6-[18F]Fluorodopamine

#### 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

1,2-Benzenediol, 4-(2-aminoethyl)-5-fluoro-

Sum formula: C<sub>8</sub>H<sub>10</sub>FNO<sub>2</sub>

Molecular weight: 171.17

##### Hazardous components

none (according to UK REACH Regulation)

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

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**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**

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

### SECTION 5: Firefighting measures

**5.1. Extinguishing media****Suitable extinguishing media**Water spray. 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: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide Nitrogen oxides (NO<sub>x</sub>). Fluorhydric acid.**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

**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Wear personal protection equipment. Provide adequate ventilation. Avoid dust formation.

**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**

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**

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

**Advice on general occupational hygiene**

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink. Protect skin by using skin protective cream.

**Further information on handling**

When using do not eat, drink, smoke, sniff.

**7.2. 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**storage temperature:  
of °C: -25

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up to °C: -15

Protect against: Light.

Store under (Gas): argon. Nitrogen.

### 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

##### 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.

##### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state: solid  
Colour: colourless

##### Changes in the physical state

Melting point/freezing point: 214 - 220 °C

Water solubility: insoluble

##### Solubility in other solvents

dimethylsulphoxide (DMSO). Methanol.

### SECTION 10: Stability and reactivity

#### 10.4. Conditions to avoid

Light.

#### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Nitrogen oxides (NOx). Fluorines-carbon-hydrogens.

### SECTION 11: Toxicological information

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

##### Carcinogenic/mutagenic/toxic effects for reproduction

No information available.

##### Information on likely routes of exposure

Toxicological data are not available.

##### 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.

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### 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. Dispose of waste according to applicable legislation.

##### **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 - 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. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### **Other applicable information**

No dangerous good in sense of these transport 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