Safety Data Sheet

according to UK REACH Regulation

6-FFuc standard

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

1.1. Product identifier

6-FFuc standard

Further trade names

6-deoxy-6-fluoro-alpha/beta-L-galactopyranose

6-Fluoro-L-fucose; 6-[18F]fluoro-L-fucose standard

CAS No: 1456696-05-1

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

Use of the substance/mixture

Standard for 6-[18F]FFuc

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

Acute Tox. 4; H332
Acute Tox. 4; H312
Acute Tox. 4; H302

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

6-FDG

Signal word: Warning

Pictograms:

Hazard statements

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

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P312 Call a POISON CENTER/doctor if you feel unwell.

2.3. Other hazards

Warning - substance not yet tested completely.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

6-deoxy-6-fluoro-alpha/beta-L-galactopyranose

Sum formula: C6H11FO5

Molecular weight: 182.15 g/mol g/mol

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
1456696-05-1	6-FFuc standard			95 - < 100 %
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4; H332 H312 H302			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
1456696-05-1		6-FFuc standard	95 - < 100 %
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg		

SECTION 4: First aid measures

4.1. Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO2).

SECTION 6: Accidental release measures

SECTION 7: Handling and storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Store in a place accessible by authorized persons only. Restrict access to stockrooms.

Further information on storage conditions

storage temperature:
of °C: 2
up to °C: 8
Protect against: Light.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	viscous , solid
Colour:	yellow , colourless

Solubility in other solvents

dimethylsulphoxide (DMSO).

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

Light.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

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

Acute toxicity

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
1456696-05-1	6-FFuc standard					
	oral	ATE mg/kg	500			
	dermal	ATE mg/kg	1100			
	inhalation vapour	ATE	11 mg/l			
	inhalation dust/mist	ATE	1,5 mg/l			

11.2. Information on other hazards

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.

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 - 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

SECTION 14: Transport information

Other applicable information

Not a hazardous material with respect to 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

Abbreviations and acronyms

Acute Tox: Acute toxicity

Relevant H and EUH statements (number and full text)

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