

Safety Data Sheet

according to UK REACH Regulation

TetraBoc SGMIB iodo precursor

Revision date: 16.06.2022

Product code: 7025

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

TetraBoc SGMIB iodo precursor

Further trade names

2,5-dioxopyrrolidin-1-yl-3-iodo-4-((1,2,3,3-tetrakis(tert-butoxycarbonyl)guanidino)methyl)benzoate

synonyms: TetraBoc [131I]SGMIB iodo precursor

[N-succinimidyl 4-guanidinomethyl-3-[131I]iodobenzoate]

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

Precursor for [131I]SGMIB

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**GB CLP Regulation****Precautionary statements**

P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P314	Get medical advice/attention if you feel unwell.
P501	Dispose of contents/container to an appropriate recycling or disposal facility.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305	IF IN EYES:
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P351	Rinse cautiously with water for several minutes.

2.3. Other hazards

Warning - substance not yet tested completely.

SECTION 3: Composition/information on ingredients**3.1. Substances****Chemical characterization**

2,5-dioxopyrrolidin-1-yl-3-iodo-4-((1,2,3,3-tetrakis(tert-butoxycarbonyl)guanidino)methyl)benzoate

Sum formula: C33H45IN4O12

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Molecular weight: 816.63

Hazardous components

none (according to UK REACH Regulation)

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

First aider: Pay attention to self-protection!

After contact with skin

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

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Call a physician immediately.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Suitable extinguishing media: Water spray. Foam. Extinguishing powder. Carbon dioxide (CO₂).**5.2. Special hazards arising from the substance or mixture**In case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide Nitrogen oxides (NO_x).**5.3. Advice for firefighters**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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.

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. Avoid dust formation. Clear contaminated areas thoroughly.

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. Do not eat, drink, smoke or sneeze at the workplace.

7.2. Conditions for safe storage, including any incompatibilities

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Requirements for storage rooms and vessels

Keep container dry. Keep locked up.

Further information on storage conditions

storage temperature: : - 20

Store under (Gas): argon. Nitrogen.

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**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**Respiratory protection**

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

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:

solid

Colour:

colourless, yellow

Changes in the physical state

Water solubility:

easily soluble.

Solubility in other solvents

dimethylsulphoxide (DMSO). , Chloroform, ethyl acetate., Dichloromethane

SECTION 10: Stability and reactivity**10.5. Incompatible materials**

Water. Oxidizing agents, strong.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Nitrogen oxides (NOx).

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****Toxicokinetics, metabolism and distribution**

No information available.

Irritation and corrosivity

Irritating to eyes. After skin contact: irritant.

Further information

Toxicological data are not available.

SECTION 12: Ecological information**12.1. Toxicity**

No information available.

12.5. Results of PBT and vPvB assessment

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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 uncontrolled discharge of product into the environment.

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

Contaminated packaging

Non-contaminated packages may be recycled.

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