

Safety Data Sheet

according to UK REACH Regulation

Tin-epidepride precursor

Revision date: 23.03.2022

Product code: 1521

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

Tin-epidepride precursor

Further trade names

Benzamide, N-[[[(2S)-1-ethyl-2-pyrrolidinyl]methyl]-2,3-dimethoxy-5-(tributylstannyl)-

Synonyms:

N-(1-Ethyl-pyrrolidin-2-ylmethyl)-2,3-dimethoxy-5-tributylstannanyl-benzamide; Benzamide, N-[[[(1-ethyl-2-pyrrolidinyl)methyl]-2,3-dimethoxy-5-(tributylstannyl)-, (S)-; Tin-epidepride precursor

CAS No: 135382-47-7

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

precursor for [123I]Epidepride and [125I]Epidepride

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. 3; H301
 Skin Irrit. 2; H315
 Eye Irrit. 2; H319
 STOT RE 1; H372
 Aquatic Acute 1; H400
 Aquatic Chronic 1; H410

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

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Signal word: Danger**Pictograms:****Hazard statements**

H301 Toxic if swallowed.

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H315	Causes skin irritation.
H319	Causes serious eye irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P330	Rinse mouth.
P302+P352	IF ON SKIN: Wash with plenty of water.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.

2.3. Other hazards

Warning - substance not yet tested completely.

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

Benzamide, N-[[[(2S)-1-ethyl-2-pyrrolidinyl]methyl]-2,3-dimethoxy-5-(tributylstannyl)-

Sum formula: C₂₈H₅₀N₂O₃Sn

Molecular weight: 581.42

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
135382-47-7	Tin-epidepride precursor			95 - < 100 %
	Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1; H301 H315 H319 H372 H400 H410			

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	
135382-47-7		Tin-epidepride precursor	95 - < 100 %
		oral: ATE = 100 mg/kg	

SECTION 4: First aid measures**4.1. 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.

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After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

If swallowed, immediately drink: Water.

SECTION 5: Firefighting measures

5.1. Extinguishing media**Suitable extinguishing media**Co-ordinate fire-fighting measures to the fire surroundings. Suitable extinguishing media: Foam. Extinguishing powder. Carbon dioxide (CO₂). Atomized water.**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

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up**Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). 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 general occupational hygiene**

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed.

Further information on storage conditions

Recommended storage temperature:

of °C: 2

up to °C: 8

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**

Tightly sealed safety glasses.

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Hand protection

Single-use gloves. NBR (Nitrile rubber).

Skin protection

Lab apron. Chemical resistant safety shoes.

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

Physical state: liquid viscous
 Colour: colourless

Changes in the physical state

Water solubility: The study does not need to be conducted
 because the substance is known to be
 insoluble in water.

Solubility in other solvents

Chloroform dimethylsulphoxide (DMSO). ethyl acetate.

SECTION 10: Stability and reactivity**10.4. Conditions to avoid**

Light.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Nitrogen oxides (NOx). Toxic metal oxide smoke.

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
135382-47-7	Tin-epidepride precursor				
	oral	ATE mg/kg	100		

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

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

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Disposal recommendations

Do not allow to enter into surface water or drains.

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.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number or ID number: UN 2788
14.2. UN proper shipping name: ORGANOTIN COMPOUND, LIQUID, N.O.S. (Tributyltin-epidepride)
14.3. Transport hazard class(es): 6.1
14.4. Packing group: III
Hazard label: 6.1
Classification code: T3
Special Provisions: 43 274
Limited quantity: 5 L
Excepted quantity: E1
Transport category: 2
Hazard No: 60
Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 2788
14.2. UN proper shipping name: ORGANOTIN COMPOUND, LIQUID, N.O.S. (Tributyltin-epidepride)
14.3. Transport hazard class(es): 6.1
14.4. Packing group: III
Hazard label: 6.1
Classification code: T3
Special Provisions: 43 274 802
Limited quantity: 5 L
Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 2788
14.2. UN proper shipping name: ORGANOTIN COMPOUND, LIQUID, N.O.S. (Tributyltin-epidepride)
14.3. Transport hazard class(es): 6.1
14.4. Packing group: III
Hazard label: 6.1
Marine pollutant: P
Special Provisions: 43, 223, 274
Limited quantity: 5 L
Excepted quantity: E1

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EmS:

F-A, S-A

Air transport (ICAO-TI/IATA-DGR)**14.1. UN number or ID number:**

UN 2788

14.2. UN proper shipping name:

ORGANOTIN COMPOUND, LIQUID, N.O.S. (Tributyltin-epidepride)

14.3. Transport hazard class(es):

6.1

14.4. Packing group:

III

Hazard label:

6.1

Special Provisions:

A3 A4 A6

Limited quantity Passenger:

2 L

Passenger LQ:

Y642

Excepted quantity:

E1

IATA-packing instructions - Passenger:

655

IATA-max. quantity - Passenger:

60 L

IATA-packing instructions - Cargo:

663

IATA-max. quantity - Cargo:

220 L

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

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)**

H301

Toxic if swallowed.

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H372

Causes damage to organs through prolonged or repeated exposure.

H400

Very toxic to aquatic life.

H410

Very toxic to aquatic life with long lasting effects.