

**Safety Data Sheet**

according to UK REACH Regulation

**N-Methylnaltrindole**

Revision date: 27.04.2022

Product code: 2810

Page 1 of 4

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

N-Methylnaltrindole

**Further trade names**

4,8-methanobenzofuro[2,3-a]pyrido[4,3-b]carbazole-1,8a (9H)-diol, 7-(cyclopropylmethyl)  
-5,6,7,8,14,14b-hexahydro-14-methyl-, (4bS,8R,8aS,14bR)-

**Synonyms:**

MeNTI; 4,8-methanobenzofuro[2,3-a]pyrido[4,3-b]carbazole-1,8a (9H)-diol, 7-(cyclopropylmethyl)  
-5,6,7,8,14,14b-hexahydro-14-methyl-, [8R- (4bS, 8.alpha., 8a.beta., 14b.beta.)]; (5R,9R,13S,14S)-17-  
(cyclopropylmethyl)-6,7-dehydro-4,5.alpha.-epoxy-3,14-dihydroxy-N1'-methyl-6,7,2',3'-indolomorphinan

CAS No: 111555-57-8

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

Reference standard for N1'([11C]Methyl)-naltrindole

Highly selective antagonist for  $\mu$  opioid receptors**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**

4,8-methanobenzofuro[2,3-a]pyrido[4,3-b]carbazole-1,8a (9H)-diol, 7-(cyclopropylmethyl)  
-5,6,7,8,14,14b-hexahydro-14-methyl-, (4bS,8R,8aS,14bR)-

Sum formula: C<sub>27</sub>H<sub>28</sub>N<sub>2</sub>O<sub>3</sub>

Molecular weight: 428.52

**Hazardous components**

none (according to UK REACH Regulation)

**Safety Data Sheet**

according to UK REACH Regulation

**N-Methylaltrindole**

Revision date: 27.04.2022

Product code: 2810

Page 2 of 4

**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.

**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>).**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.

**Safety Data Sheet**

according to UK REACH Regulation

**N-Methylaltrindole**

Revision date: 27.04.2022

Product code: 2810

Page 3 of 4

**Further information on storage conditions**

storage temperature:

of °C: -25

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:

light yellow

**Changes in the physical state****Solubility in other solvents**

dimethylsulphoxide (DMSO). Chloroform

**SECTION 10: Stability and reactivity****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****Carcinogenic/mutagenic/toxic effects for reproduction**

No information available.

**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.

**Safety Data Sheet**

according to UK REACH Regulation

**N-Methylaltrindole**

Revision date: 27.04.2022

Product code: 2810

Page 4 of 4

**Further information**

Do not allow to enter into surface water or drains.

**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**