

Safety Data Sheet

SDS created: 24/07/2026



1 - Identification of substance and manufacturer

Axon catalogue ID

4437

Product name

Sonlicromanol

IUPAC name

N-((R)-3-Piperidyl)-(S)-6-hydroxy-2,5,7,8-tetramethyl-2-chromancarboxamide

CAS number

1541170-75-5

Batch no.

1

Application

Orally active ROS-Redox modulator

Manufacturer's name

Axon Medchem BV

Street address

Biotech Center UMCG, Hanzeplein 1

Postal Code

9713 GZ

Province

Groningen

City

Groningen

Country of origin

The Netherlands

Emergency Telephone number

+31 (0)50 311 8007

Manufacturer's fax number

+31 (0)50 3600390

Manufacturer's email address

info@axonmedchem.com

Manufacturer's website

<http://www.axonmedchem.com>

2 - Hazards identification

Route of entry

Eye contact, Inhalation, Digestion

Symptoms of Exposure

No data available

GHS Pictogram

Potential health effects

May be harmful by inhalation, ingestion or eye and/or skin absorption. May cause irritation to eye, mucous membranes, upper respiratory system, and/or skin. The toxicological properties of this compound have not been fully tested. For research purposes only.

3 - Information on ingredients

Hazardous ingredient

Sonlicromanol

CAS number

1541170-75-5

Concentration

99.4%

LD-50 of ingredient

No data available

4 - First Aid Measures

Skin contact

Wash with copious amounts of water for at least 15 minutes. Remove contaminated clothing.

Eye contact

Rinse with copious amounts of water for at least 15 minutes as a precaution.

Inhalation

Transfer victim to an un-effected area and monitor breathing. If breathing becomes difficult administer oxygen. If breathing stops give artificial respiration.

Ingestion

Rinse mouth out with copious amounts of water, contact a physician.

5 - Fire Fighting Measures

Fire fighting instructions

Use extinguishing media appropriate to the surrounding fire conditions. Wear protective clothing to prevent contact with skin, eyes, and respiratory system.

Flammable

No data available

Flashpoint (°C)

No data available

Hazardous combustion products

May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO₂), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.

6 - Accidental Release Measures

Leak and spill procedures

Wear appropriate protective clothing. Vacuum or sweep up dry material and dispose in an appropriate container as described under Disposal Conditions. Avoid raising dust. Absorb solutions with finely-powdered liquid-binding material. After removal, ventilate and decontaminate surfaces and equipment with alcohol. Dispose of contaminated materials according to section 13.

7 - Handling and Storage

Handling procedures and equipment

Avoid inhalation, contact with eyes, skin and clothing. Wear appropriate protective clothing. Avoid repeated and/or prolonged exposure. Use in a chemical fume hood, with an independent air supply.

Storage requirements

Store in a properly sealed container under the storage conditions indicated on the label.

8 - Exposure Control / Personal Protection

Exposure limits

No data available

Protection of hands/skin

Chemical resistant gloves and lab coat

Protection of eyes

Appropriate safety glasses

Protection of respiratory system

Handle in fume hood. Prevent inhalation

9 - Physical and chemical properties

Batch molecular formula

C₁₉H₂₈N₂O₃

Batch MW

332.44

Appearance

Off-white solid

Melting point

168 - 172 °C

Chemical purity

99.4%

Optical purity (ee)

99.4%

Solubility in water (mg/mL)

0.0

10 - Stability and reactivity

Stability

Stable under normal handling conditions.

Reactivity

May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO₂), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.

Conditions and materials to avoid

Protect from light and heat. Avoid strong oxidizing agents.

11 - Toxicological information

Toxicity

No data available

Carcinogenicity

No data available

Mutagenicity

No data available

Teratogenicity

No data available

12 - Ecological information

Treat as potentially toxic. Runoff from fire control or dilution with water may cause pollution.

13 - Disposal considerations

Treat as potentially toxic. Dispose in accordance with local, state, and federal regulations.

14 - Transport Information

(US) DOT shipping name

No data available

IATA class

No data available

Applicable HS class

2942.00.0000

Transportation (Land/Sea/Air)

Non-hazardous

15 - Regulatory Information

Hazardous ingredient

Sonlicromanol

CAS number

1541170-75-5

European risk and safety phrases

R48: Danger of serious damage to health by prolonged exposure.

S22 - Do not breathe dust.

S24/S25 - Avoid any inhalation, contact with skin and eyes.

S36/S37/S39 - Wear suitable protective clothing, gloves and eye/face protection.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

US EPA SARA Title III

Sec.302 (EHS) - No

Sec.302 (EHS) - No

Sec.313 (TRI) - No

Sec.110 - No

US EPA CAA, CWA, TSCA

EPA CAA - No

EPA CWA NPDES - No

EPA TSCA - No

CA PROP 65 - No

16 - Other information

The above information is believed to be accurate and represents the best information currently available to us, but does not purport to be complete.

The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

For research use only by trained personnel.

CAUTION: SUBSTANCE NOT FULLY TESTED