

Atpenin A5: sc-202475



The Power to Question

MATERIAL SAFETY DATA SHEET

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

Product Name: Atpenin A5
Catalog Number: sc-202475
Synonyms: 3-[(2S,4S,5R)-5,6-Dichloro-2,4-dimethyl-1-oxohexyl]-4-hydroxy-5,6-dimethoxy-2(1H)-pyridinone
CAS Number: 119509-24-9
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

2 Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS06

Acute Tox. 3 H301

Toxic if swallowed.

Acute Tox. 3 H311

Toxic in contact with skin.

Acute Tox. 2 H330

Fatal if inhaled.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



T; Toxic

R23/24/25

Toxic by inhalation, in contact with skin and if swallowed.

Information concerning particular hazards for human and environment

Not applicable.

Label elements

Labeling according to Regulation (EC) No 1272/2008:

The substance is classified and labeled according to the CLP regulation.

Hazard pictograms



GHS06

Signal word

Danger

Hazard statements

H301

Toxic if swallowed.

H311

Toxic in contact with skin.

H330

Fatal if inhaled.

Precautionary statements

P260

Do not breathe dust/fume/gas/mist/vapors/spray.

P301+P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P310

Immediately call a POISON CENTER or doctor/physician.

P320

Specific treatment is urgent (see on this label).

P361

Remove/Take off immediately all contaminated clothing.

P405

Store locked up.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Substances

Molecular formula: C₁₅H₂₁Cl₂NO₅

Molecular weight: 366.2

Identification number(s): Not applicable

4 First aid measures

Description of first aid measures

General information: Immediately remove any clothing soiled by the product. Remove breathing equipment only after contaminated clothing have been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration.

After inhalation: Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After ingestion: Do not induce vomiting; call for medical help immediately.

Information for doctor: Not available.

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters

Protective equipment: Mouth respiratory protective device. Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases. Wear fully protective suit.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures: Avoid formation of dust. Wear protective clothing.

Environmental precautions: No special measures required.

Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling

Precautions for safe handling: Thorough dedusting. Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

Information about fire – and explosion protection: Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: Store tightly sealed in a cool, dry and well ventilated location. Store at -20° C.

Information about storage in one common storage facility: Keep away from heat, sources of ignition and incompatibles such as oxidizing agents.

Further information about storage conditions: Keep container tightly sealed. Store under lock and key and with access restricted to technical experts or their assistants only.

Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.

Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection



Tightly sealed goggles

9 Physical and chemical properties

Form	Powder	Odor	Characteristic
Odor threshold	Not determined	pH-value	Not applicable
Melting point/Melting range	Undetermined	Boiling point/Boiling range	Undetermined
Flash point	Not applicable	Flammability (solid, gaseous)	Not flammable
Decomposition temperature	Not determined	Self-igniting	Not determined
Explosion limits lower	Not determined	Explosion limits upper	Not determined
Vapor pressure	Not applicable	Density	Not determined

Relative density	Not determined	Vapor density	Not applicable
Evaporation rate	Not applicable	Dynamic	Not applicable
Kinematic	Not applicable	Segregation coefficient	Not determined
Solubility in / Miscibility with water	Insoluble	(n-octanol/water)	

Danger of explosion: Product does not present an explosion hazard.

Other information: No further relevant information available.

10 Stability and reactivity

Reactivity

Chemical stability: Stable. Avoid strong oxidizing agents.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification: LD50 10 mg/kg (mouse) (intraperitoneal)

Primary irritant effect

on the skin: Irritant to skin and mucous membranes.

on the eye: Not determined

Sensitization: No sensitizing effects known.

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behavior in environmental systems

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number: 3462

UN proper shipping name: Toxins extracted from living sources, solid, n.o.s.

Transport hazard class(es): 6.1 Toxic substances

Packing group: I

Environmental hazards

Marine pollutant: No

Special precautions for user: Warning: toxic substances.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

15 Regulatory information

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

1/16/2012