

Entinostat (MS-275) SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Entinostat (MS-275)
- **Catalog Number:** S1053
- **CAS Number:** 209783-80-2
- **IUPAC Name:** pyridin-3-ylmethyl 4-((2-aminophenyl)carbamoyl)benzylcarbamate

Relevant identified uses and uses advised against

- **Identified uses:** For research and development use only; laboratory chemicals; manufacture of substances.
- **Uses advised against:** Not for pharmaceutical, household, or other unapproved uses.

Details of the supplier

- **Company :** Selleck Chemicals
- **TollFree :** +1 877 796-6397
- **Tel :** +1 832 582-8158
- **Fax :** +1 832 582-8590

Emergency telephone number

- **Emergency phone #:** +1 832 582-8158

2. Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

- Acute toxicity, Oral (Category 3), H301
- Reproductive toxicity (Category 1A), H360

2.2 GHS Label elements, including precautionary statements

Pictogram:



Signal Word: Danger

Hazard Statements:

- H301: Toxic if swallowed.
- H360: May damage fertility or the unborn child.

Precautionary Statements:

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P264: Wash skin thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P301 + P310 + P330: IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.
- P308 + P313: IF exposed or concerned: Get medical advice/ attention.
- P405: Store locked up.
- P501: Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None.

3. Composition/information on ingredients

3.1 Substances

- **Formula:** C₂₁H₂₀N₄O₃
- **Molecular weight:** 376.41 g/mol
- **CAS-No.:** 209783-80-2
- **Component:** pyridin-3-ylmethyl 4-((2-aminophenyl)carbamoyl)benzylcarbamate
- **Classification:** Acute Tox. 3; Repr. 1A; H301, H360
- **Concentration:** ≤ 100 %

4. First aid measures

4.1 Description of first-aid measures

- **General advice:** Show this material safety data sheet to the doctor in attendance.
- **If inhaled:** After inhalation: fresh air.
- **In case of skin contact:** Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.
- **In case of eye contact:** After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.
- **If swallowed:** Give water to drink (two glasses at most). Seek medical advice immediately. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

N/A.

5. Firefighting measures

5.1 Extinguishing media

- **Suitable extinguishing media:** Foam, Carbon dioxide (CO₂), Dry powder.
- **Unsuitable extinguishing media:** For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NO_x). Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe powder. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect and bind spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully with powder-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

6.4 Reference to other sections

For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

- **Advice on safe handling:** Work under hood. Do not inhale substance/mixture. Avoid generation of powder.
- **Hygiene measures:** Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

- **Storage conditions:** Keep container tightly closed in a dry and well-ventilated place. Tightly closed. Keep locked up or in an area accessible only to qualified or authorized persons.
- **Recommended storage temperature:** -20 °C
- **Storage class (TRGS 510):** 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

- **Appropriate engineering controls:** Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance.
- **Eyeface protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.
- **Skin protection:** Required.
- **Body Protection:** Protective clothing.
- **Respiratory protection:** Required when powder is generated. Recommended Filter type: Filter type ABEK. The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.
- **Control of environmental exposure:** Do not let product enter drains.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- a) Appearance Form: powder
- b) Odor: N/A
- c) Odor Threshold: N/A
- d) pH: N/A
- e) Melting point/freezing point: N/A
- f) Initial boiling point and boiling range: N/A
- g) Flash point: N/A
- h) Evaporation rate: N/A
- i) Flammability (solid, gas): N/A
- j) Upper/lower flammability or explosive limits: N/A
- k) Vapor pressure: N/A

- l) Vapor density: N/A
- m) Density: N/A
- n) Water solubility: N/A
- o) Partition coefficient: n-octanol/water: N/A
- p) Autoignition temperature: N/A
- q) Decomposition temperature: N/A
- r) Viscosity: N/A
- s) Explosive properties: N/A
- t) Oxidizing properties: N/A

9.2 Other safety information

Solubility in other solvents: Dimethyl sulfoxide (DMSO) 38 g/l - soluble.

10. Stability and reactivity

10.1 Reactivity

N/A.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

N/A.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Strong oxidizing agents, Acids, Bases.

10.6 Hazardous decomposition products

In the event of fire: see section 5.

11. Toxicological information

11.1 Information on toxicological effects

- **Acute toxicity:** LD50 Oral - Rat - 150 - 200 mg/kg. Inhalation: N/A. Dermal: N/A.
- **Skin corrosion/irritation:** Remarks: N/A.
- **Serious eye damage/eye irritation:** Remarks: N/A.
- **Respiratory or skin sensitization:** N/A.
- **Germ cell mutagenicity:** N/A.
- **Carcinogenicity:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA.

- **Reproductive toxicity:** N/A.
- **Specific target organ toxicity - single exposure:** N/A.
- **Specific target organ toxicity - repeated exposure:** N/A.
- **Aspiration hazard:** N/A.

11.2 Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence.

12. Ecological information

12.1 Toxicity

N/A.

12.2 Persistence and degradability

N/A.

12.3 Bioaccumulative potential

N/A.

12.4 Mobility in soil

N/A.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Endocrine disrupting properties

N/A.

12.7 Other adverse effects

N/A.

13. Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14. Transport information

DOT (US)

- UN number: 2811
- Class: 6.1

- Packing group: III
- Proper shipping name: Toxic solids, organic, n.o.s. (Carbamic acid, ((4-(((2-aminophenyl)amino)carbonyl)phenyl)methyl)-, 3-pyridinylmethyl ester)
- Reportable Quantity (RQ): N/A
- Poison Inhalation Hazard: No

IMDG

- UN number: 2811
- Class: 6.1
- Packing group: III
- EMS-No: F-A, S-A
- Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Carbamic acid, ((4-(((2-aminophenyl)amino)carbonyl)phenyl)methyl)-, 3-pyridinylmethyl ester)

IATA

- UN number: 2811
- Class: 6.1
- Packing group: III

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16. OTHER INFORMATION

Revision Date: 2026/07/07

Further Information: The information provided is believed to be correct but is not exhaustive and should be used only as a guideline based on current knowledge. It does not represent a guarantee of the properties of the product. Selleck Chemicals Corporation and its Affiliates shall not be held liable for any damage resulting from handling or contact with the product.