

TNG-462 (Vopimetostat) SDS | MSDS

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** TNG-462 (Vopimetostat)
- **Catalog Number:** E1871
- **CAS Number:** 2760483-96-1
- **IUPAC Name:** 1-Piperidineacetamide, N -(6-amino-5-ethyl-3-pyridinyl)-5-methyl-2-[2-(1-methyl-4-piperidinyl)-5-benzothiazolyl]- α -oxo-, (2R ,5S)-

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

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Name: 1-Piperidineacetamide, N -(6-amino-5-ethyl-3-pyridinyl)-5-methyl-2-[2-(1-methyl-4-piperidinyl)-5-benzothiazolyl]- α -oxo-, (2R ,5S)-

Synonyms: TNG-462

Formula: C₂₈H₃₆N₆O₂S

Molecular Weight: 520.69

CAS No.: 2760483-96-1

4. FIRST AID MEASURES

4.1 Description of first aid measures

- **Eye contact:** Remove contact lenses if present. Immediately flush eyes with large amounts of water for several minutes, ensuring adequate flushing by separating eyelids with fingers. Promptly seek medical attention.
- **Skin contact:** Rinse the affected area thoroughly with large amounts of water. Remove contaminated clothing and shoes. Seek medical attention.
- **Inhalation:** Relocate the individual to fresh air immediately. If breathing is difficult, administer cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.
- **Ingestion:** Wash out the mouth with water. Do NOT induce vomiting. Seek medical attention.

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).

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media include water spray, dry chemical, foam, and carbon dioxide fire extinguishers.

5.2 Special hazards arising from the substance or mixture

Irritant fumes may be emitted during combustion.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use full personal protective equipment. Avoid breathing vapors, mist, dust, or gas. Ensure adequate ventilation and evacuate personnel to safe areas. Refer to protective measures in Section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not allow the product to enter drains or water courses.

6.3 Methods and materials for containment and cleaning up

Absorb solutions with finely-powdered liquid-binding material (such as diatomite or universal binders). Decontaminate surfaces and equipment by scrubbing with alcohol. Dispose of contaminated material in accordance with Section 13.

6.4 Reference to other sections

For disposal instructions, see Section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid inhalation and contact with eyes and skin. Avoid the formation of dust and aerosols. Use only in areas equipped with appropriate exhaust ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep the container tightly sealed in a cool, well-ventilated area. Store away from direct sunlight and sources of ignition.

Recommended storage temperature:

- powder: -20°C for 3 years; 4°C for 2 years.
- In solvent: -80°C for 6 months; -20°C for 1 month.

Shipping at room temperature is acceptable if the duration is less than 2 weeks.

7.3 Specific end use(s)

N/A.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

This product contains no substances with occupational exposure limit values.

8.2 Exposure controls

- **Engineering controls:** Ensure adequate ventilation. Provide accessible safety showers and eye wash stations.
- **Personal protective equipment:**
 - **Eye protection:** Safety goggles with side-shields.
 - **Hand protection:** Protective gloves.
 - **Skin and body protection:** Impervious clothing.
 - **Respiratory protection:** Suitable respirator.
- **Environmental exposure controls:** Keep the product away from drains, water courses, or soil. Clean spillages safely and promptly.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- **Appearance:** powder
- **Odor:** N/A
- **Odor threshold:** N/A
- **pH:** N/A
- **Melting/freezing point:** N/A
- **Boiling point/range:** N/A
- **Flash point:** N/A
- **Evaporation rate:** N/A
- **Flammability (solid, gas):** N/A
- **Upper/lower flammability or explosive limits:** N/A
- **Vapor pressure:** N/A
- **Vapor density:** N/A
- **Relative density:** N/A
- **Water Solubility:** N/A
- **Partition coefficient:** N/A
- **Auto-ignition temperature:** N/A
- **Decomposition temperature:** N/A
- **Viscosity:** N/A
- **Explosive properties:** N/A
- **Oxidizing properties:** N/A

9.2 Other safety information

N/A.

10. STABILITY AND REACTIVITY

10.1 Reactivity

N/A.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

N/A.

10.4 Conditions to avoid

N/A.

10.5 Incompatible materials

Strong acids/alkalis, strong oxidizing/reducing agents.

10.6 Hazardous decomposition products

Under fire conditions, the substance may decompose and emit toxic fumes. Other decomposition products: no data available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- **Acute toxicity:** Classified based on available data.
- **Skin corrosion/irritation:** Classified based on available data.
- **Serious eye damage/irritation:** Classified based on available data.
- **Respiratory or skin sensitization:** Classified based on available data.
- **Germ cell mutagenicity:** Classified based on available data.
- **Carcinogenicity:**
 - IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen.
 - ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a potential or confirmed carcinogen.
 - NTP: No component of this product present at levels greater than or equal to 0.1% is identified as an anticipated or confirmed carcinogen.
 - OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a potential or confirmed carcinogen.
- **Reproductive toxicity:** Classified based on available data.
- **Specific target organ toxicity - single exposure:** Classified based on available data.
- **Specific target organ toxicity - repeated exposure:** Classified based on available data.
- **Aspiration hazard:** Classified based on available data.

Additional information

Chemical, physical, and toxicological properties have not been completely investigated.

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 is unavailable as a chemical safety assessment is not required or has not been conducted.

12.6 Other adverse effects

N/A.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

- **Product:** Dispose of the substance in accordance with prevailing country, federal, state, and local regulations.
- **Contaminated packaging:** Conduct recycling or disposal in accordance with prevailing country, federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT (US)

Proper shipping name: Not dangerous goods

UN number: -

Class: -

Packing group: -

IMDG

Proper shipping name: Not dangerous goods

UN number: -

Class: -

Packing group: -

IATA

Proper shipping name: Not dangerous goods

UN number: -

Class: -

Packing group: -

15. REGULATORY INFORMATION

SARA 302 Components:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards:

No SARA Hazards.

Massachusetts Right To Know Components:

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components:

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components:

No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or anyother reproductive harm.

16. OTHER INFORMATION

Revision Date: 2026/08/06

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.