

Apatinib (YN968D1) SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Apatinib (YN968D1)
- **Catalog Number:** S5248
- **CAS Number:** 811803-05-1
- **IUPAC Name:** 3-Pyridinecarboxamide, N-[4-(1-cyanocyclopentyl)phenyl]-2-[(4-pyridinylmethyl)amino]-

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

GHS Classification:

Acute toxicity, Oral (Category 4).

Pictogram:



Signal Word: Warning

Hazard Statements:

- H302: Harmful if swallowed.

Precautionary Statements:

- P264: Wash skin thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P301 + P312 + P330: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

- P501: Dispose of contents/container to an approved waste disposal plant.

Other Hazards:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Substance

Chemical Name: 3-Pyridinecarboxamide, N-[4-(1-cyanocyclopentyl)phenyl]-2-[(4-pyridinylmethyl)amino]-

CAS-No.: 811803-05-1

Concentration: >= 80 - <= 100%

4. FIRST AID MEASURES

General Advice: Consult a physician and show this safety data sheet to the attending doctor.

If Inhaled: Move person to fresh air.

In Case of Skin Contact: Immediately remove all contaminated clothing and rinse skin with water or shower.

In Case of Eye Contact: Rinse thoroughly with plenty of water and remove contact lenses.

If Swallowed: Immediately provide the victim with a maximum of two glasses of water and consult a physician.

Most Important Symptoms and Effects: The most important known symptoms and effects are described in the hazard identification (Section 2) and toxicological information (Section 11).

Protection of First-Aiders: Refer to Section 8 for personal protective equipment.

Notes to Physician: N/A

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water, foam, carbon dioxide (CO₂), or dry powder.

Unsuitable Extinguishing Media: No limitations of extinguishing agents are specified for this substance.

Specific Hazards: The product is combustible. Hazardous combustion gases or vapors, including carbon oxides and nitrogen oxides (NO_x), may be released in the event of a fire.

Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further Information: Use water spray to suppress gases, vapors, or mists. Prevent firefighting water from entering surface water or groundwater systems.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Protective Equipment: Avoid inhalation of powder. Ensure adequate ventilation and avoid contact with the substance. Evacuate the danger area and follow emergency procedures. For personal protection, see Section 8.

Environmental Precautions: Do not allow the product to enter drains.

Methods for Containment and Cleaning Up: Cover drains. Collect, bind, and pump off spills. Take up the material dry and dispose of it properly. Clean the affected area and avoid the generation of powder.

7. HANDLING AND STORAGE

Precautions for Safe Handling: For precautions, see Section 2.

Conditions for Safe Storage: Keep the container tightly closed in a dry location.

Storage Class: 11, Combustible powder.

Recommended Storage Temperature: -13 to 14 °F / -25 to -10 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: Contains no substances with occupational exposure limit values.

Engineering Measures: N/A

Personal Protective Equipment:

- **Respiratory Protection:** Required when powder is generated. Use a P2 filter type (DIN EN 143).
- **Hand Protection:** Use nitrile rubber gloves (Full contact: 0.11 mm thickness, >480 min breakthrough time; Splash contact: 0.11 mm thickness, >480 min breakthrough time).
- **Eye Protection:** Use safety glasses tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
- **Skin and Body Protection:** Wear appropriate protective clothing.
- **Hygiene Measures:** Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after working with the substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** powder
- **Color:** white
- **Odor:** N/A
- **Odor Threshold:** N/A
- **pH:** N/A
- **Melting Point:** N/A
- **Boiling Point:** N/A
- **Flash Point:** N/A
- **Evaporation Rate:** N/A
- **Flammability (powder, gas):** N/A
- **Upper/Lower Explosion Limits:** N/A
- **Vapor Pressure:** N/A
- **Relative Vapor Density:** N/A
- **Relative Density:** N/A
- **Water Solubility:** Soluble (68 °F / 20 °C).

- **Partition Coefficient (n-octanol/water):** log Pow: 3.521.
- **Autoignition Temperature:** N/A
- **Decomposition Temperature:** N/A
- **Viscosity:** N/A
- **Explosive Properties:** Not classified as explosive.
- **Oxidizing Properties:** None.
- **Molecular Weight:** 397.48 g/mol.

10. STABILITY AND REACTIVITY

Reactivity: Flammable organic substances in fine distribution may have powder explosion potential when whirled up.

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

Possibility of Hazardous Reactions: Violent reactions are possible with strong oxidizing agents.

Conditions to Avoid: No information available.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: In the event of fire, see Section 5.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- **Oral:** Acute toxicity estimate 500.1 mg/kg (Expert judgment based on (Q)SAR approach).
- **Inhalation/Dermal:** N/A.

Skin Corrosion/Irritation: N/A.

Serious Eye Damage/Irritation: N/A.

Respiratory or Skin Sensitization: N/A.

Germ Cell Mutagenicity: N/A.

Carcinogenicity: 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 by IARC, NTP, or OSHA.

Reproductive Toxicity: N/A.

STOT - Single Exposure: N/A.

STOT - Repeated Exposure: N/A.

Aspiration Hazard: N/A.

Additional Information: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Ecotoxicity: N/A

Persistence and Degradability: N/A

Bioaccumulative Potential: 3-Pyridinecarboxamide, N-[4-(1-cyanocyclopentyl)phenyl]-2-[(4-pyridinylmethyl)amino]- has a partition coefficient log Pow of 3.521.

Mobility in Soil: N/A

Other Adverse Effects: This product does not contain and was not manufactured with Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Waste material must be disposed of in accordance with national and local regulations. Leave chemicals in their original containers. Do not mix with other waste. Handle uncleaned containers in the same manner as the product itself.

14. TRANSPORT INFORMATION

DOT (49 CFR): Not regulated as a dangerous good.

IMDG: Not regulated as a dangerous good.

IATA: Not regulated as a dangerous good.

Transport in Bulk: Not applicable for product as supplied.

Poison Inhalation Hazard: No.

Special Precautions: Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : 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.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111

SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations

Massachusetts Right To Know

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

Maine Chemicals of High Concern

Product does not contain any listed chemicals

Vermont Chemicals of High Concern

Product does not contain any listed chemicals

Washington Chemicals of High Concern

Product does not contain any listed chemicals

The components of this product are reported in the following inventories:

TSCA : Product contains substance(s) not listed on TSCA inventory.

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

16. OTHER INFORMATION

Revision Date: 2026/07/21

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.