

Ro-3306 SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Ro-3306
- **Catalog Number:** S7747
- **CAS Number:** 872573-93-8
- **IUPAC Name:** (Z)-5-(quinolin-6-ylmethylene)-2-(thiophen-2-ylmethylamino)thiazol-4(5H)-one

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

According to the OSHA Hazard Communication Standard (29 CFR 1910.1200), this substance is not classified as hazardous. There are no known additional hazards associated with this product. The GHS label elements indicate that it is not a hazardous substance or mixture.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product is a substance. The chemical name is (Z)-5-(quinolin-6-ylmethylene)-2-(thiophen-2-ylmethylamino)thiazol-4(5H)-one. According to OSHA criteria, no ingredients within this substance are considered hazardous.

4. FIRST AID MEASURES

- **If inhaled:** Move the person to fresh air.
- **In case of skin contact:** Immediately remove all contaminated clothing and rinse the skin with water or shower.

- **In case of eye contact:** Rinse thoroughly with plenty of water and remove contact lenses if present.
- **If swallowed:** Have the victim drink a maximum of two glasses of water. Consult a physician if the individual feels unwell.
- **Most important symptoms and effects:** The most significant 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

- **Extinguishing media:** There are no limitations on extinguishing agents for this substance.
- **Hazardous combustion products:** Combustion may produce carbon oxides, nitrogen oxides (NO_x), and sulphur oxides.
- **Specific extinguishing methods:** N/A
- **Further information:** Use water spray to suppress gases, vapors, or mists. Prevent fire extinguishing water from entering surface water or groundwater systems.
- **Special protective equipment:** Firefighters should wear self-contained breathing apparatus in the event of a fire.

6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment, and emergency procedures:** Personnel not involved in the emergency should avoid inhalation of powder. Evacuate the area and follow emergency procedures. Emergency responders should refer to Section 8 for personal protection.
- **Environmental precautions:** Do not allow the product to enter drains.
- **Methods and materials for containment and cleaning up:** Cover drains. Collect, bind, and pump off spills while observing material restrictions. 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:** Refer to Section 2.2 for precautions.
- **Conditions for safe storage:** Keep the container tightly closed and in a dry location.
- **Storage class:** 11, Combustible powder.
- **Recommended storage temperature:** 2 - 8 °C (36 - 46 °F).

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. Recommended filter type P1, following DIN EN 143 or DIN 14387 standards.

- **Hand protection:** Handle with impervious nitrile rubber gloves. For full and splash contact, a minimum thickness of 0.11 mm and a breakthrough time of 480 minutes is recommended (e.g., KCL 741 Dermatril L).

- **Eye protection:** Use safety glasses tested and approved under standards such as NIOSH (US) or EN 166 (EU).

- **Hygiene measures:** Change contaminated clothing and wash hands thoroughly after handling the substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** powder
- **Color:** N/A
- **Odor:** N/A
- **Odor Threshold:** N/A
- **pH:** N/A
- **Melting point:** N/A
- **Boiling point/boiling range:** N/A
- **Flash point:** Not applicable
- **Evaporation rate:** N/A
- **Flammability (solid, gas):** N/A
- **Flammability (liquids):** N/A
- **Burning rate:** N/A
- **Upper/Lower explosion limit:** N/A
- **Vapor pressure:** N/A
- **Relative vapour density:** N/A
- **Relative density:** N/A
- **Density:** N/A
- **Water solubility:** N/A
- **Partition coefficient: n-octanol/water:** N/A
- **Autoignition temperature:** N/A
- **Decomposition temperature:** N/A
- **Viscosity:** N/A
- **Explosive properties:** N/A
- **Oxidizing properties:** N/A
- **Molecular weight:** 351.45 g/mol
- **Particle size:** N/A

10. STABILITY AND REACTIVITY

- **Reactivity:** N/A.

- **Chemical stability:** The product is chemically stable under standard ambient room temperature conditions.
- **Possibility of hazardous reactions:** N/A.
- **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:** N/A for oral, inhalation, or dermal exposure.
- **Skin corrosion/irritation:** N/A.
- **Serious eye damage/eye 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, ACGIH, NTP, or OSHA.
- **Reproductive toxicity:** N/A.
- **STOT - single exposure:** N/A.
- **STOT - repeated exposure:** N/A.
- **Aspiration hazard:** N/A.
- **Additional Information:** The chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

- **Ecotoxicity:** N/A.
- **Persistence and degradability:** N/A.
- **Bioaccumulative potential:** N/A.
- **Mobility in soil:** N/A.
- **Other adverse effects:** N/A.

13. DISPOSAL CONSIDERATIONS

Waste material must be disposed of in accordance with national and local regulations. Chemicals should be left in their original containers and not mixed with other waste. Uncleaned containers should be handled with the same precautions as the product itself.

14. TRANSPORT INFORMATION

- **IATA-DGR:** Not regulated as a dangerous good.
- **IMDG-Code:** Not regulated as a dangerous good.

- **Transport in bulk:** Not applicable for the product as supplied.
- **49 CFR Road:** Not regulated as a dangerous good.
- **Poison Inhalation Hazard:** No.
- **Special precautions for user:** 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 311/312 Hazards

No SARA Hazards

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.

US State Regulations

Massachusetts Right To Know

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

Pennsylvania Right To Know

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New Jersey Right To Know

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California Prop. 65

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

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: 2026/07/03

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.