

(+)-JQ1 SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** (+)-JQ1
- **Catalog Number:** S7110
- **CAS Number:** 1268524-70-4
- **IUPAC Name:** 6H-Thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepine-6-acetic acid, 4-(4-chlorophenyl)-2,3,9-trimethyl-, 1,1-dimethylethyl ester, (6S)-

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 in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards for the product as supplied: Not a hazardous substance or mixture.

Other hazards

None known.

GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), and no precautionary statement(s) are required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Substance

CAS-No.: 1268524-70-4

Components

No hazardous ingredients are present in this substance.

4. FIRST AID MEASURES

If inhaled: Move the person to fresh air.

In case of skin contact: Take off all contaminated clothing immediately. Rinse the skin with water or shower.

In case of eye contact: Rinse out with plenty of water. Remove contact lenses if present.

If swallowed: Make the victim drink water (two glasses at most). Consult a doctor if the individual feels unwell.

Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Protection of first-aiders: Refer to section 8 for personal protection.

Notes to physician: N/A.

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Water, Foam, Carbon dioxide (CO₂), Dry powder.

Unsuitable extinguishing media: No limitations of extinguishing agents are given for this substance.

Specific hazards during firefighting: Combustible. Development of hazardous combustion gases or vapors is possible in the event of fire.

Hazardous combustion products: Carbon oxides, Nitrogen oxides (NO_x), Sulphur oxides, Hydrogen chloride gas.

Specific extinguishing methods: N/A.

Further information: Suppress gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Advice for non-emergency personnel: Avoid inhalation of powder. Evacuate the danger area, observe emergency procedures, and consult an expert.

Advice for emergency responders: Refer to section 8 for personal protection.

Environmental precautions: Do not let the product enter drains.

Methods and materials for containment and cleaning up: Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up the affected area. Avoid generation of powder.

7. HANDLING AND STORAGE

Precautions for handling: For precautions, see section 2.

Conditions for safe storage: Keep the container tightly closed and dry.

Storage class: 11, Combustible powder.

Recommended storage temperature: 36 - 46 °F / 2 - 8 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace 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: Filter type P1. Filtering respiratory protection should be based on standards such as DIN EN 143, DIN 14387, and other relevant standards.

Hand protection: Handle with impervious gloves. Nitrile rubber gloves are recommended (e.g., KCL 741 Dermatrill® L) with a thickness of 0.11 mm and a breakthrough time of 480 minutes for both full and splash contact.

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

Hygiene measures: Change contaminated clothing. Wash hands after working with 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 (powder, gas): N/A

Flammability (liquids): N/A

Burning rate: N/A

Upper explosion limit: N/A

Lower explosion limit: N/A

Vapor pressure: N/A

Relative vapor density: N/A

Relative density: N/A

Density: N/A

Water solubility: N/A

Partition coefficient: n-octanol/water: log Pow: ca. 3.9 (calculated). Bioaccumulation is not expected.

Autoignition temperature: N/A

Decomposition temperature: N/A

Viscosity, dynamic/kinematic: N/A

Flow time: N/A

Explosive properties: N/A

Oxidizing properties: None

Molecular weight: 456.99 g/mol

Particle size: N/A

10. STABILITY AND REACTIVITY

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

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

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

11.1 Information on toxicological effects

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:

- **IARC:** No component present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen.

- **NTP:** No component present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.

- **OSHA:** No component present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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.

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

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

14. TRANSPORT INFORMATION

International Regulations

IATA-DGR: Not regulated as a dangerous good.

IMDG-Code: Not regulated as a dangerous good.

Transport in bulk according to IMO instruments: Not applicable for product as supplied.

National Regulations

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.

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: 2026/07/03

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.