

Tersolisib (STX-478) SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Tersolisib (STX-478)
- **Catalog Number:** E1815
- **CAS Number:** 2883540-92-7
- **IUPAC Name:** Urea, N -(2-amino-5-pyrimidinyl)-N '-(1R)-1-(5,7-difluoro-3-methyl-2-benzofuranyl)-2,2,2-trifluoroethyl]-

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

The substance is not classified as a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

The product does not require GHS labeling or precautionary statements as it is not classified as a hazardous substance or mixture.

2.3 Other hazards

None identified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms: STX-478

Name: Urea, N -(2-amino-5-pyrimidinyl)-N ' -[(1R)-1-(5,7-difluoro-3-methyl-2-benzofuranyl)-2,2,2-trifluoroethyl]-

Molecular Weight: 401.29

CAS No.: 2883540-92-7

4. FIRST AID MEASURES

4.1 Description of first aid measures

- **Eye contact:** Immediately flush eyes with large amounts of water for several minutes, ensuring eyelids are separated with fingers. Remove contact lenses if present. Seek medical attention promptly.
- **Skin contact:** Thoroughly rinse the affected area with large amounts of water. Remove contaminated clothing and shoes. Seek medical advice.
- **Inhalation:** Move the exposed person to fresh air immediately. If breathing is difficult, administer cardiopulmonary resuscitation (CPR), avoiding mouth-to-mouth contact.
- **Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

The most significant known symptoms and effects are referenced in the labeling (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

Combustion may result in the emission of irritant fumes.

5.3 Advice for firefighters

Firefighters should wear self-contained breathing apparatus and appropriate protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Utilize full personal protective equipment. Avoid the inhalation of vapors, mist, gas, or dust. Ensure the area is adequately ventilated and evacuate personnel to safe areas.

6.2 Environmental precautions

Take measures to prevent further leakage or spillage. 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 materials (such as diatomite or universal binders). Decontaminate all surfaces and equipment by scrubbing with alcohol. Dispose of waste materials in accordance with Section 13.

6.4 Reference to other sections

Refer to Section 13 for disposal instructions.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with eyes and skin. Avoid inhalation and the formation of dust or aerosols. Use only in well-ventilated areas equipped with appropriate exhaust systems.

7.2 Conditions for safe storage, including any incompatibilities

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

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 may occur at room temperature 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 does not contain any substances with established occupational exposure limit values.

8.2 Exposure controls

- **Engineering controls:** Ensure adequate ventilation and provide accessible safety showers and eye wash stations.
- **Personal protective equipment:**
 - **Eye protection:** Use safety goggles with side-shields.
 - **Hand protection:** Wear protective gloves.
 - **Skin and body protection:** Wear impervious clothing.
 - **Respiratory protection:** Use a suitable respirator.
- **Environmental exposure controls:** Prevent the product from entering drains, water courses, or soil. Clean any 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 the recommended storage conditions.

10.3 Possibility of hazardous reactions

N/A.

10.4 Conditions to avoid

N/A.

10.5 Incompatible materials

Strong acids, strong alkalis, and strong oxidizing or reducing agents.

10.6 Hazardous decomposition products

Under fire conditions, the substance may decompose and emit toxic fumes. N/A for other decomposition products.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- **Acute toxicity:** Classified based on available data; see Section 2.
- **Skin corrosion/irritation:** Classified based on available data; see Section 2.
- **Serious eye damage/irritation:** Classified based on available data; see Section 2.
- **Respiratory or skin sensitization:** Classified based on available data; see Section 2.
- **Germ cell mutagenicity:** Classified based on available data; see Section 2.
- **Carcinogenicity:**
 - **IARC:** No component present at levels $\geq 0.1\%$ is identified as a probable, possible, or confirmed human carcinogen.
 - **ACGIH:** No component present at levels $\geq 0.1\%$ is identified as a potential or confirmed carcinogen.
 - **NTP:** No component present at levels $\geq 0.1\%$ is identified as an anticipated or confirmed carcinogen.
 - **OSHA:** No component present at levels $\geq 0.1\%$ is identified as a potential or confirmed carcinogen.
- **Reproductive toxicity:** Classified based on available data; see Section 2.
- **Specific target organ toxicity - single exposure:** Classified based on available data; see Section 2.
- **Specific target organ toxicity - repeated exposure:** Classified based on available data; see Section 2.
- **Aspiration hazard:** Classified based on available data; see Section 2.

Additional information:

The 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 local, state, federal, and country regulations.
- **Contaminated packaging:** Conduct disposal or recycling in accordance with prevailing local, state, federal, and country 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.