

Ceralasertib (AZD6738) SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Ceralasertib (AZD6738)
- **Catalog Number:** S7693
- **CAS Number:** 1352226-88-0
- **IUPAC Name:** 4-[4-[1-[[S(R)]-S-methylsulfonimidoyl]cyclopropyl]-6-[(3R)-3-methyl-4-morpholinyl]-2-pyrimidinyl]-1H-pyrrolo[2,3-b]pyridine

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. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

The substance is classified under the GHS as follows:

- Acute toxicity, Oral (Category 4)
- Carcinogenicity (Category 2)
- Reproductive toxicity (Category 1B)
- Specific target organ toxicity – single exposure (Category 1)
- Specific target organ toxicity – repeated exposure (Category 1)

2.2 GHS label elements, including precautionary statements

Pictogram:



Signal word: Danger

Hazard statement(s):

- H302: Harmful if swallowed
- H351: Suspected of causing cancer
- H360: May damage fertility or the unborn child
- H370: Causes damage to organs
- H372: Causes damage to organs through prolonged or repeated exposure

Precautionary statement(s):

- **Prevention:** P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P203 Obtain, read and follow all safety instructions before use. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- **Response:** P301+P317 IF SWALLOWED: Get medical help. P330 Rinse mouth. P318 IF exposed or concerned, get medical advice. P308+P316 IF exposed or concerned: Get emergency medical help immediately. P321 Specific treatment (see on this label). P319 Get medical help if you feel unwell.
- **Storage:** P405 Store locked up.
- **Disposal:** P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

2.3 Other hazards which do not result in classification

N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

- **Chemical name:** 4-[4-[1-[[S(R)]-S-methylsulfonimidoyl]cyclopropyl]-6-[(3R)-3-methyl-4-morpholinyl]-2-pyrimidinyl]-1H-pyrrolo[2,3-b]pyridine
- **Common names and synonyms:** Ceralasertib
- **CAS number:** 1352226-88-0
- **EC number:** N/A

4. FIRST-AID MEASURES

4.1 Description of necessary first-aid measures

- **General advice:** N/A
- **If inhaled:** Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth-to-mouth resuscitation if the victim ingested or inhaled the chemical.
- **Following skin contact:** Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.
- **Following eye contact:** Rinse with pure water for at least 15 minutes. Consult a doctor.
- **Following ingestion:** Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

4.2 Most important symptoms/effects, acute and delayed

N/A

4.3 Indication of immediate medical attention and special treatment needed, if necessary

N/A

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use dry chemical, carbon dioxide, or alcohol-resistant foam.

5.2 Specific hazards arising from the chemical

N/A

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid formation of powder. Avoid breathing mist, gas, or vapours. Avoid contact with skin and eyes. Use personal protective equipment. Wear chemical-impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of in accordance with appropriate laws and regulations.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in a well-ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of powder and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

7.2 Conditions for safe storage, including any incompatibilities

Store the container tightly closed in a dry, cool, and well-ventilated place. Store apart from foodstuff containers or incompatible materials. Keep away from moisture. Store at low temperature and under nitrogen.

- **powder:** -20°C for 3 years

- **In solvent:** -80°C for 1 year

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

- **Occupational Exposure limit values:** N/A
- **Biological limit values:** N/A

8.2 Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

8.3 Individual protection measures, such as personal protective equipment (PPE)

- **Eye/face protection:** Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).
- **Skin protection:** Wear fire/flamm resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374.
- **Respiratory protection:** If exposure limits are exceeded or irritation is experienced, use a full-face respirator.
- **Thermal hazards:** N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical state:** powder
- **Color:** White
- **Odour:** N/A
- **Melting point/freezing point:** N/A
- **Boiling point or initial boiling point and boiling range:** N/A
- **Flammability:** N/A
- **Lower and upper explosion limit/flammability limit:** N/A
- **Flash point:** N/A
- **Auto-ignition temperature:** N/A
- **Decomposition temperature:** N/A
- **pH:** N/A
- **Kinematic viscosity:** N/A
- **Solubility:** H₂O: < 1 mg/mL (insoluble or slightly soluble); Ethanol: 39 mg/mL (94.54 mM), Sonication is recommended; DMSO: 250 mg/mL (606.05 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
- **N-octanol-water partition coefficient:** N/A
- **Vapour pressure:** N/A
- **Density and/or relative density:** 1.52 g/cm³ (Predicted)
- **Relative vapour density:** N/A
- **Particle characteristics:** N/A

10. STABILITY AND REACTIVITY

10.1 Reactivity

N/A

10.2 Chemical stability

N/A

10.3 Possibility of hazardous reactions

N/A

10.4 Conditions to avoid

N/A

10.5 Incompatible materials

N/A

10.6 Hazardous decomposition products

N/A

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity:** Oral: no data available; Inhalation: no data available; Dermal: no data available.
- **Skin corrosion/irritation:** N/A
- **Serious eye damage/irritation:** N/A
- **Respiratory or skin sensitization:** N/A
- **Germ cell mutagenicity:** N/A
- **Carcinogenicity:** N/A
- **Reproductive toxicity:** N/A
- **STOT-single exposure:** N/A
- **STOT-repeated exposure:** N/A
- **Aspiration hazard:** N/A

12. ECOLOGICAL INFORMATION

12.1 Toxicity

- Toxicity to fish: no data available.
- Toxicity to daphnia and other aquatic invertebrates: no data available.
- Toxicity to algae: no data available.
- Toxicity to microorganisms: no data available.

12.2 Persistence and degradability

N/A

12.3 Bioaccumulative potential

N/A

12.4 Mobility in soil

N/A

12.5 Other adverse effects

N/A

13. DISPOSAL CONSIDERATIONS

13.1 Disposal methods

- **Product:** The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

- **Contaminated packaging:** Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14. TRANSPORT INFORMATION

14.1 UN Number

N/A

14.2 UN Proper Shipping Name

N/A

14.3 Transport hazard class(es)

N/A

14.4 Packing group, if applicable

N/A

14.5 Environmental hazards

N/A

14.6 Special precautions for user

N/A

14.7 Transport in bulk according to IMO instruments

N/A

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question

- **European Inventory of Existing Commercial Chemical Substances (EINECS):** Not Listed.
- **EC Inventory:** Not Listed.
- **United States Toxic Substances Control Act (TSCA) Inventory:** Not Listed.
- **China Catalog of Hazardous chemicals 2015:** Not Listed.
- **New Zealand Inventory of Chemicals (NZIoC):** Not Listed.
- **Philippines Inventory of Chemicals and Chemical Substances (PICCS):** Not Listed.
- **Vietnam National Chemical Inventory:** Not Listed.
- **Chinese Chemical Inventory of Existing Chemical Substances (China IECSC):** Not Listed.
- **Korea Existing Chemicals List (KECL):** Not Listed.

16. OTHER INFORMATION

Revision Date: 2026/07/09

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.