

# Adavosertib (AZD1775, MK-1775) SDS | MSDS

## 1.PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

- **Product Name:** Adavosertib (AZD1775, MK-1775)
- **Catalog Number:** S1525
- **CAS Number:** 955365-80-7
- **IUPAC Name:** 2-allyl-1-(6-(2-hydroxypropan-2-yl)pyridin-2-yl)-6-(4-(4-methylpiperazin-1-yl)phenylamino)-1,2-dihydropyrazolo[3,4-d]pyrimidin-3-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

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

- Skin corrosion/irritation (Category 2), H315
- Serious eye damage/eye irritation (Category 2A), H319
- Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3), H335

### 2.2 GHS Label elements, including precautionary statements

**Pictogram:**



**Signal word:** Warning

**Hazard statement(s):**

- H315 Causes skin irritation

- H319 Causes serious eye irritation
- H335 May cause respiratory irritation

**Precautionary statement(s):**

**Prevention**

- P261 Avoid breathing powder/fume/gas/mist/vapours/spray.

**Response**

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.

**2.3 Other hazards**

None.

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

### **3.1 Substances**

- **Name:** 2-allyl-1-(6-(2-hydroxypropan-2-yl)pyridin-2-yl)-6-(4-(4-methylpiperazin-1-yl)phenylamino)-1,2-dihydropyrazolo[3,4-d]pyrimidin-3-one
- **Synonyms:** AZD1775; MK-1775
- **Formula:** C<sub>27</sub>H<sub>32</sub>N<sub>8</sub>O<sub>2</sub>
- **Molecular Weight:** 500.60
- **CAS No.:** 955365-80-7

## **4. FIRST AID MEASURES**

### **4.1 Description of first aid measures**

- **Eye contact:** Remove any contact lenses, locate eye-wash station, and flush eyes immediately with large amounts of water. Separate eyelids with fingers to ensure adequate flushing. Promptly call a physician.
- **Skin contact:** Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes and call a physician.
- **Inhalation:** Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.
- **Ingestion:** Wash out mouth with water; Do NOT induce vomiting; call a physician.

### **4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (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:** Use water spray, dry chemical, foam, and carbon dioxide fire extinguisher.

## **5.2 Special hazards arising from the substance or mixture**

During combustion, may emit irritant fumes.

## **5.3 Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing.

# **6. ACCIDENTAL RELEASE MEASURES**

## **6.1 Personal precautions, protective equipment and emergency procedures**

Use full personal protective equipment. Avoid breathing vapors, mist, powder or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Refer to protective measures listed in section 8.

## **6.2 Environmental precautions**

Try to prevent further leakage or spillage. Keep the product away from drains or water courses.

## **6.3 Methods and materials for containment and cleaning up**

Absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); Decontaminate surfaces and equipment by scrubbing with alcohol; Dispose of contaminated material according to Section 13.

## **6.4 Reference to other sections**

For disposal see section 13.

# **7. HANDLING AND STORAGE**

## **7.1 Precautions for safe handling**

Avoid inhalation, contact with eyes and skin. Avoid powder and aerosol formation. Use only in areas with appropriate exhaust ventilation.

## **7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly sealed in cool, well-ventilated area. Keep away from direct sunlight and sources of ignition.

Recommended storage temperature:

- Powder: -20°C for 3 years; 4°C for 2 years.

- In solvent: -80°C for 1 year; -20°C for 6 months.

Shipping at room temperature if less than 2 weeks.

## **7.3 Specific end use(s)**

N/A.

# **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### 8.1 Control parameters

- **Components with workplace control parameters:** This product contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

- **Engineering controls:** Ensure adequate ventilation. Provide accessible safety shower and eye wash station.

- **Personal protective equipment:**

- **Eye protection:** Safety goggles with side-shields.

- **Hand protection:** Protective gloves.

- **Skin and body protection:** Impervious clothing.

- **Respiratory protection:** Suitable respirator.

- **Environmental exposure controls:** Keep the product away from drains, water courses or the soil. Clean spillages in a safe way as soon as possible.

## 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:** 179-181°C

- **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 recommended storage conditions.

### 10.3 Possibility of hazardous reactions

N/A.

### 10.4 Conditions to avoid

N/A.

### 10.5 Incompatible materials

Strong acids/alkalis, strong oxidising/reducing agents.

### 10.6 Hazardous decomposition products

Under fire conditions, may decompose and emit toxic fumes. Other decomposition products - no data available.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

- **Acute toxicity:** Classified based on available data. For more details, see section 2.
- **Skin corrosion/irritation:** Classified based on available data. For more details, see section 2.
- **Serious eye damage/irritation:** Classified based on available data. For more details, see section 2.
- **Respiratory or skin sensitization:** Classified based on available data. For more details, see section 2.
- **Germ cell mutagenicity:** Classified based on available data. For more details, see section 2.
- **Carcinogenicity:**
  - IARC: No component of this product present at a level equal to or greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
  - ACGIH: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by ACGIH.
  - NTP: No component of this product present at a level equal to or greater than 0.1% is identified as a anticipated or confirmed carcinogen by NTP.
  - OSHA: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by OSHA.
- **Reproductive toxicity:** Classified based on available data. For more details, see section 2.
- **Specific target organ toxicity - single exposure:** Classified based on available data. For more details, see section 2.
- **Specific target organ toxicity - repeated exposure:** Classified based on available data. For more details, see section 2.
- **Aspiration hazard:** Classified based on available data. For more details, see section 2.

- **Additional information:** This information is based on our current knowledge. However 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 unavailable as chemical safety assessment not required or not conducted.

### 12.6 Other adverse effects

N/A.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

- **Product:** Dispose substance in accordance with prevailing country, federal, state and local regulations.
- **Contaminated packaging:** Conduct recycling or disposal in accordance with prevailing country, federal, state and local 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:** 2026/07/27

**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.