

AZD1390 SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** AZD1390
- **Catalog Number:** S8680
- **CAS Number:** 2089288-03-7
- **IUPAC Name:** 2H-Imidazo[4,5-c]quinolin-2-one, 7-fluoro-1,3-dihydro-3-methyl-1-(1-methylethyl)-8-[6-[3-(1-piperidinyloxy)-3-pyridinyloxy]-

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(s) identification

The substance is not classified as hazardous according to the Globally Harmonized System (GHS).

- **Label elements:** None.
- **Signal word:** None.
- **Hazard statements:** None.
- **NFPA ratings (scale 0 - 4):** Health = 0, Fire = 0, Reactivity = 0.
- **HMIS-ratings (scale 0 - 4):** Health = 0, Fire = 0, Reactivity = 0.
- **Other hazards:** Results of PBT and vPvB assessment are not applicable. There are no known adverse physical or health effects.

3. Composition/information on ingredients

- **Chemical characterization:** Substances
- **CAS No. Description:** 2089288-03-7

• **Name:** 2H-Imidazo[4,5-c]quinolin-2-one,
7-fluoro-1,3-dihydro-3-methyl-1-(1-methylethyl)-8-[6-[3-(1-piperidinyl)propoxy]-3-pyridinyl]-

4. First-aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult a doctor in case of complaints.
- **After skin contact:** Generally, the product does not irritate the skin.
- **After eye contact:** Rinse the opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist, consult a doctor.
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

5. Fire-fighting measures

- **Extinguishing media:** Use fire-fighting measures that suit the environment. A solid water stream may be inefficient.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters:** No special measures required; use standard protective equipment.

6. Accidental release measures

- **Personal precautions, protective equipment, and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers, surface water, or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections:** See Section 7 for safe handling, Section 8 for personal protection equipment, and Section 13 for disposal information.
- **Protective Action Criteria for Chemicals (PAC):** The substance is not listed for PAC-1, PAC-2, or PAC-3.

7. Handling and storage

- **Precautions for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities:** Store in accordance with information listed on the product insert.
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s):** No further relevant information available.

8. Exposure controls/personal protection

- **Control parameters:** No components with limit values require monitoring at the workplace.
- **Appropriate engineering controls:** No further data; see Section 7.
- **Personal protective equipment:**
 - **General protective and hygienic measures:** Follow usual precautionary measures for handling chemicals.
 - **Breathing equipment:** Not required.
 - **Protection of hands:** Use gloves that are impermeable and resistant to the product. Due to missing tests, no specific glove material recommendation can be provided.
 - **Eye protection:** Not required.

9. Physical and chemical properties

- **Physical state:** powder
- **Color:** Not determined.
- **Odor:** Characteristic.
- **Structural Formula:** C₂₇H₃₂FN₅O₂
- **Molecular Weight:** 477.6 g/mol
- **Odor threshold:** Not determined.
- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** Undetermined.
- **Flammability:** Product is not flammable.
- **Explosion limits:** Lower: Not determined; Upper: Not determined.
- **Flash point:** Not applicable.
- **Decomposition temperature:** Not determined.
- **pH-value:** Not applicable.
- **Viscosity:** Kinematic/Dynamic: Not applicable.
- **Solubility:** Soluble in DMSO; Water solubility not determined.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Vapor pressure:** Not applicable.
- **Density/Relative density:** Not determined.
- **Vapor density:** Not applicable.
- **Particle characteristics:** Not determined.
- **Appearance Form:** powder
- **Ignition temperature:** Not determined.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Evaporation rate:** Not applicable.

10. Stability and reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under recommended storage conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11. Toxicological information

- **Acute toxicity:** No specific data provided.
- **Primary irritant effect:**
 - **On the skin:** No irritant effect.
 - **On the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:** The product is not subject to classification. When handled according to specifications, it does not have any known harmful effects.
- **Carcinogenic categories:**
 - **IARC:** Substance is not listed.
 - **NTP:** Substance is not listed.
 - **OSHA-Ca:** Substance is not listed.

12. Ecological information

- **Toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product to reach ground water, water courses, or sewage systems.
- **Results of PBT and vPvB assessment:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13. Disposal considerations

- **Waste treatment methods recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings recommendation:** Disposal must be made according to official regulations.

14. Transport information

- **UN-Number (DOT, IMDG, IATA):** Not regulated.
- **UN proper shipping name (DOT, IMDG, IATA):** Not regulated.
- **Transport hazard class(es) (DOT, ADN, IMDG, IATA):** Not regulated.
- **Packing group (DOT, IMDG, IATA):** Not regulated.
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Not regulated.

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

No further relevant information available.

Sara

Section 355 (extremely hazardous substances): Substance is not listed.

Section 313 (Specific toxic chemical listings): Substance is not listed.

TSCA (Toxic Substances Control Act): Substance is not listed.

Hazardous Air Pollutants: Substance is not listed.

Chemicals known to cause cancer: Substance is not listed.

Chemicals known to cause reproductive toxicity for females: Substance is not listed.

Chemicals known to cause reproductive toxicity for males: Substance is not listed.

Chemicals known to cause developmental toxicity: Substance is not listed.

Carcinogenic categories

EPA (Environmental Protection Agency): Substance is not listed.

TLV (Threshold Limit Value): Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): Substance is not listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

Revision Date: 2026/07/17

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.