

Ziftomenib (KO-539) SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Ziftomenib (KO-539)
- **Catalog Number:** E1290
- **CAS Number:** 2134675-36-6
- **IUPAC Name:** 1H -Indole-2-carbonitrile, 4-methyl-5-[[4-[[2-(methylamino)-6-(2,2,2-trifluoroethyl)thieno[2,3-d]pyrimidin-4-yl]amino]-1-piperidinyl] methyl]-1-[(2S)-2-[4-(methylsulfonyl)-1-piperazinyl]propyl]-

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:

- **GHS label elements:** None
- **Signal word:** None
- **Hazard statements:** None

Classification system:

- **NFPA ratings (scale 0 - 4):** Health = 0, Fire = 0, Reactivity = 0.
- **HMIS-ratings (scale 0 - 4):** Health = 0, Fire = 0, Physical Hazard = 0.

Other hazards:

- **Results of PBT and vPvB assessment:** Not applicable.

- **Hazards not otherwise classified:** There are no adverse physical or health effects known that are not covered by the Hazard Communications Standard.

3. Composition/information on ingredients

Chemical characterization: Substances

Description: 1H -Indole-2-carbonitrile, 4-methyl-5-[[4-[[2-(methylamino)-6-(2,2,2- trifluoroethyl)thieno[2,3-d]pyrimidin-4-yl]amino]-1-piperidinyl] methyl]-1-[(2S)-2-[4-(methylsulfonyl)-1-piperazinyl]propyl]-

CAS No. Description: Ziftomenib

4. First-aid measures

Description of 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:

- **Suitable extinguishing agents:** 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:

- **Protective equipment:** No special measures required.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Not required.

Environmental precautions: Do not allow to enter sewers, surface, or ground water.

Methods and material for containment and cleaning up: Pick up mechanically.

Protective Action Criteria for Chemicals:

- **PAC-1:** Substance is not listed.
- **PAC-2:** Substance is not listed.
- **PAC-3:** Substance is not listed.

Reference to other sections:

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

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:

- **Storage:** 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:

- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as a basis.

Exposure controls:

- **Appropriate engineering controls:** No further data; see section 7.
- **Personal protective equipment:**
 - **General protective and hygienic measures:** The usual precautionary measures for handling chemicals should be followed.
 - **Breathing equipment:** Not required.
 - **Protection of hands:** The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests, no recommendation to the glove material can be given. Selection of the glove material should consider penetration times, rates of diffusion, and degradation.
 - **Material of gloves:** The selection of suitable gloves depends not only on the material but also on further marks of quality and varies from manufacturer to manufacturer.
 - **Penetration time of glove material:** The exact break-through time has to be determined by the manufacturer of the protective gloves and must be observed.
 - **Eye protection:** Not required.

9. Physical and chemical properties

Information on basic physical and chemical properties:

- **Physical state:** powder
- **Color:** Not determined.
- **Odor:** Characteristic
- **Structural Formula:** C₃₃H₄₂F₃N₉O₂S₂
- **Molecular Weight:** 717.9 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 in / Miscibility with Water:** Not determined.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Vapor pressure:** Not applicable.
- **Density:** Not determined.
- **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:

- **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

Information on toxicological effects:

- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
 - **On the skin:** No irritant effect.
 - **On the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:** When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided. The substance is not subject to classification.
- **Interactive effects:** No interactive effects between components are known.
- **Carcinogenic categories:**
 - **IARC (International Agency for Research on Cancer):** Substance is not listed.
 - **NTP (National Toxicology Program):** Substance is not listed.
 - **OSHA-Ca (Occupational Safety & Health Administration):** Substance is not listed.

12. Ecological information

Toxicity:

- **Aquatic 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.

Results of PBT and vPvB assessment: Not applicable.

Other adverse effects:

- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course, or sewage system.

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.

Proposition 65:

- **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: 2026/07/14

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.