

Defactinib (VS-6063) SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Defactinib (VS-6063)
- **Catalog Number:** S7654
- **CAS Number:** 1073154-85-4
- **IUPAC Name:** N-methyl-4-(4-((3-(N-methylmethan-3-ylsulfonamido)pyrazin-2-yl)methylamino)-5-(trifluoromethyl)pyrimidin-2-ylamino)benzamide

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

Defactinib is classified as hazardous according to the Globally Harmonized System (GHS).

Classification:

- Acute toxicity, oral: Category 4 (H302)
- Skin irritation: Category 2 (H315)
- Eye irritation: Category 2A (H319)
- Specific target organ toxicity (single exposure): Category 3 (H335)

Pictogram:



Signal word: Warning

Hazard statements:

- H302: Harmful if swallowed.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.

Precautionary statements:

- P261: Avoid breathing powder/fume/gas/mist/vapors/spray.
- P264: Wash thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P271: Use only outdoors or in a well-ventilated area.
- P280: Wear protective gloves / eye protection / face protection.
- P301+P312: If swallowed: Call a poison center/doctor if you feel unwell.
- P330: Rinse mouth.
- P302+P352: If on skin: Wash with plenty of water.
- P321: Specific treatment (see on this label).
- P304+P340: If inhaled: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P362+P364: Take off contaminated clothing and wash it before reuse.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P405: Store locked up.
- P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards:

- NFPA ratings (scale 0-4): Health = 2, Fire = 0, Reactivity = 0.
- HMIS ratings (scale 0-4): Health = 2, Fire = 0, Reactivity = 0.
- Results of PBT and vPvB assessment: Not applicable.

3. Composition/information on ingredients

- **Chemical characterization:** Substances
- **CAS No. Description:** 1073154-85-4 Defactinib
- **EC number:** 969-109-7

4. First-aid measures

- **General information:** Symptoms of poisoning may occur after several hours; medical observation is recommended for at least 48 hours following the incident.
- **After inhalation:** In case of unconsciousness, place the patient stably in a side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse the opened eye for several minutes under running water. If symptoms persist, consult a physician.
- **After swallowing:** Immediately call 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 protective equipment 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:** Ensure adequate ventilation.
- **Reference to other sections:** See Section 7 for safe handling, Section 8 for personal protection equipment, and Section 13 for disposal information.

7. Handling and storage

- **Precautions for safe handling:** No special precautions are necessary if used correctly. Avoid breathing powder/fume/gas/mist/vapors/spray. Avoid prolonged or repeated exposure. Keep away from sources of ignition. Take precautionary measures against static discharge.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities:** Keep container tightly closed. Store in accordance with information listed on the product insert.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

8. Exposure controls/personal protection

- **Control parameters:** Components do not have established limit values that require monitoring at the workplace.
- **Appropriate engineering controls:** No further data; see Section 7.
- **General protective and hygienic measures:** Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

- **Breathing equipment:** In case of brief exposure or low pollution, use a respiratory filter device. In case of intensive or longer exposure, use a self-contained respiratory protective device.
- **Protection of hands:** Use protective gloves. The glove material must be impermeable and resistant to the product.
- **Eye protection:** Tightly sealed goggles.

9. Physical and chemical properties

- **Physical state:** powder
- **Color:** Not determined.
- **Odor:** Characteristic.
- **Structural Formula:** C₂₀H₂₁F₃N₈O₃S
- **Molecular Weight:** 510.5 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:** DMF: 1 mg/ml; DMSO: 1 mg/ml; DMSO:PBS (pH 7.2) (1:3): 0.25 mg/ml.
- **Water Solubility:** Not determined.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Vapor pressure:** Not applicable.
- **Density:** Not determined.
- **Relative density:** Not determined.
- **Vapor density:** Not applicable.
- **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. 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:** Strong oxidizing agents.
- **Hazardous decomposition products:** Carbon oxides, hydrogen fluoride, nitrogen oxides, sulfur oxides.

11. Toxicological information

- **Acute toxicity:** Harmful if swallowed.
- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **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 or large quantities to reach ground water, water courses, or sewage systems.
- **Results of PBT and vPvB assessment:** Not applicable.

13. Disposal considerations

- **Waste treatment methods:** Must not be disposed of together with household garbage. Do not allow product to reach sewage systems.
- **Uncleaned packagings:** 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.

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.
- **Sara 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: 2026/07/20

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.