

Vorapaxar (MK-5348) SDS | MSDS

1.PRODUCT AND COMPANY IDENTIFICATION

Product identifier

- **Product Name:** Vorapaxar (MK-5348)
- **Catalog Number:** S8067
- **CAS Number:** 618385-01-6
- **IUPAC Name:** Carbamic acid, N-[(1R,3aR,4aR,6R,8aR,9S,9aS)-9-[(1E)-2-[5-(3-fluorophenyl)-2-pyridinyl]ethyl]dodecahydro-1-methyl-3-oxonaphtho[2,3-c]furan-6-yl]-, ethyl ester

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):

Short-term (acute) aquatic hazard (Category 1), H400

Long-term (chronic) aquatic hazard (Category 1), H410

2.2 GHS Label elements, including precautionary statements

Pictogram:



Signal Word: Warning

Hazard Statements:

H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

P273: Avoid release to the environment.

P391: Collect spillage.

P501: Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None.

3. Composition/information on ingredients

3.1 Substances

Chemical Name: Carbamic acid, N-[(1R,3aR,4aR,6R,8aR,9S,9aS)-9-[(1E)-2-[5-(3-fluorophenyl)-2-pyridinyl]ethenyl]dodecahydro-1-methyl-3-oxonaphtho[2,3-c]furan-6-yl]-, ethyl ester

Formula: C₂₉H₃₃FN₂O₄

Molecular weight: 492.58 g/mol

CAS-No.: 618385-01-6

Component Classification:

Aquatic Acute 1; Aquatic Chronic 1; H400, H410

Concentration: ≤ 100 %

M-Factor - Aquatic Chronic: 1

4. First aid measures

4.1 Description of first-aid measures

If inhaled: After inhalation, move person to fresh air.

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of eye contact: After eye contact, rinse out with plenty of water. Remove contact lenses.

If swallowed: After swallowing, make victim drink water (two glasses at most). Consult doctor if feeling unwell.

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) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

N/A.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water, Foam, Carbon dioxide (CO₂), Dry powder.

Unsuitable extinguishing media: For this substance/mixture, no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx), Hydrogen fluoride. Combustible. Development of hazardous combustion gases or vapors is possible in the event of fire.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

5.4 Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, and consult an expert. For personal protection, see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

For disposal, see section 13.

7. Handling and storage

7.1 Precautions for safe handling

For precautions, see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Tightly closed. Dry.

Storage stability/Recommended storage temperature: -25 - -10 °C.

Storage class (TRGS 510): 11: Combustible powder.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls: Change contaminated clothing. Wash hands after working with substance.

Personal protective equipment:

- **Eye/face protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.
- **Skin protection:** Handle with impervious gloves. Nitrile rubber gloves (minimum layer thickness: 0.11 mm; break through time: 480 min) are recommended for both full and splash contact.
- **Respiratory protection:** Required when dusts are generated. Recommended Filter type: Filter type P1.

Control of environmental exposure: Do not let product enter drains.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- a) Appearance Form: powder
- b) Odor: N/A
- c) Odor Threshold: N/A
- d) pH: N/A
- e) Melting point/freezing point: N/A
- f) Initial boiling point and boiling range: N/A
- g) Flash point: Not applicable
- h) Evaporation rate: N/A
- i) Flammability (solid, gas): N/A
- j) Upper/lower flammability or explosive limits: N/A
- k) Vapor pressure: N/A
- l) Vapor density: N/A
- m) Density: N/A; Relative density: N/A
- n) Water solubility: slightly soluble
- o) Partition coefficient: n-octanol/water: log Pow: 5.39 at 25 °C (77 °F) - Potential bioaccumulation
- p) Autoignition temperature: N/A
- q) Decomposition temperature: N/A
- r) Viscosity: N/A
- s) Explosive properties: Not classified as explosive.
- t) Oxidizing properties: none

9.2 Other safety information

N/A.

10. Stability and reactivity

10.1 Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up, a dust explosion potential may generally be assumed.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

Violent reactions possible with: strong oxidizing agents.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

N/A.

10.6 Hazardous decomposition products

In the event of fire: see section 5.

11. Toxicological information

11.1 Information on toxicological effects

- **Acute toxicity:** N/A for oral, inhalation, or dermal routes.
- **Skin corrosion/irritation:** N/A.
- **Serious eye damage/eye irritation:** N/A.
- **Respiratory or skin sensitization:** N/A.
- **Germ cell mutagenicity:** Negative results in Ames test (S. typhimurium) and in vivo micronucleus test (Mouse, intraperitoneal).
- **Carcinogenicity:** No ingredient present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC, NTP, or OSHA.
- **Reproductive toxicity:** N/A.
- **Specific target organ toxicity - single exposure:** N/A.
- **Specific target organ toxicity - repeated exposure:** N/A.
- **Aspiration hazard:** N/A.

11.2 Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

12.1 Toxicity

- **Toxicity to algae:** NOEC - Pseudokirchneriella subcapitata - 0.130 mg/l (OECD Test Guideline 201).

- **Toxicity to fish (Chronic):** NOEC - Pimephales promelas (fathead minnow) - 0.027 mg/l (OECD Test Guideline 210).

- **Toxicity to daphnia and other aquatic invertebrates (Chronic):** Reproduction Test NOEC - Daphnia sp. (Water flea) - 0.055 mg/l (OECD Test Guideline 211).

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 not available as chemical safety assessment not required/not conducted.

12.6 Endocrine disrupting properties

N/A.

12.7 Other adverse effects

N/A.

13. Disposal considerations

13.1 Waste treatment methods

Product: Waste material must be disposed of in accordance with national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14. Transport information

DOT (US)

Not dangerous goods.

IMDG

UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, POWDER, N.O.S. (Zontivity)

Marine pollutant: yes

IATA

UN number: 3077 Class: 9 Packing group: III

Proper shipping name: Environmentally hazardous substance, powder, n.o.s. (Zontivity)

Further information

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for powders. Packages smaller than or equal to 5 kg / L are not dangerous goods of Class 9.

15. Regulatory information

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : 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.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Maine Chemicals of High Concern

Product does not contain any listed chemicals

Vermont Chemicals of High Concern

Product does not contain any listed chemicals

Washington Chemicals of High Concern

Product does not contain any listed chemicals

The ingredients of this product are reported in the following inventories:

TSCA : Product contains substance(s) not listed on TSCA inventory.

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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.