

# CX-5461 (Pidnarulex) SDS | MSDS

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

- **Product Name:** CX-5461 (Pidnarulex)
- **Catalog Number:** S2684
- **CAS Number:** 1138549-36-6
- **IUPAC Name:** 5H-Benzothiazolo[3,2-a][1,8]naphthyridine-6-carboxamide, 2-(hexahydro-4-methyl-1H-1,4-diazepin-1-yl)-N-[(5-methyl-2-pyrazinyl)methyl]-5-oxo-

### 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

### Classification of the substance or mixture

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

### Label elements

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

### Information pertaining to particular dangers for man and environment:

- **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:** PBT: Not applicable; vPvB: Not applicable.
- **Classification according to (d)(1)(ii) of § 1910.1200:** The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.
- **Hazards not otherwise classified:** There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

### 3. Composition/information on ingredients

#### Chemical characterization: Substances

- **CAS No. Description:** 1138549-36-6
- **Name:** 5H-Benzothiazolo[3,2-a][1,8]naphthyridine-6-carboxamide, 2-(hexahydro-4-methyl-1H-1,4-diazepin-1-yl)-N-[(5-methyl-2-pyrazinyl)methyl]-5-oxo-

### 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 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.

#### **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.

#### **Protective Action Criteria for Chemicals**

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

## **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**

Keep container tightly closed. 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. Selection of the glove material should consider penetration times, rates of diffusion, and degradation.
  - **Material of gloves:** Selection depends on the material and quality marks, varying from manufacturer to manufacturer.
  - **Penetration time of glove material:** The exact break-through time must be determined by the manufacturer and 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:** 5H-Benzothiazolo[3,2-a][1,8]naphthyridine-6-carboxamide, 2-(hexahydro-4-methyl-1H-1,4-diazepin-1-yl)-N-[(5-methyl-2-pyrazinyl)methyl]-5-oxo-
- **Molecular Weight:** 513.6 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:** DMF: 2 mg/ml; DMF:PBS (pH 7.2) (1:1): 0.5 mg/ml; DMSO: 1 mg/ml; Ethanol: 0.1 mg/ml
- **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:** No specific data provided for this section.
- **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

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### Other adverse effects

- **Additional ecological information (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.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **Special precautions for user:** 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 PollutantsSubstance 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:** 2026/06/18

**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.