

## 1: Identification of substance / mixture

### 1. Product Identifier

Substance

Product Name: **Bretazenil**

CAS Number: 84379-13-5

IUPAC: tert-butyl-8-bromo-11,12,13,13a-tetrahydro-9-oxo-9H-imidazo(1,5-a)-pyrrolo(2,1-c)(1,4)benzodiazepine-1-carboxylate

### 2. Relevant identified uses of the substance or mixture and uses advised against

Research and Development

### 3. Details of the supplier of the safety data sheet

Ô@{ æ[ !æ  
Suite #161  
762 Upper James  
Hamilton, ON  
L9C 3A2



Email: [inquiries@chemagora.ca](mailto:inquiries@chemagora.ca)

### 4. Emergency telephone number

## 2. Hazards Identification

### 1. Classification of the substance or mixture

H302	Acute Tox. 4	
H312	Acute Tox. 4	
H319	Eye Irrit. 2	
H332	Acute Tox. 4	

### 2. Label elements

Signal Word **Warning**



### Hazard Statements

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

### Precautionary Phrases

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

### 3. Other Hazards

Additional precautionary phrases are located throughout the safety data sheet

## 3. Composition / Information on Ingredients

### 1. Substances

Product Name	Hazards	Concentration
Bretazenil	H302, H312, H319, H332 Acute Tox. 4, Eye Irrit. 2	<=100%

## 4. First Aid Measures

### 1. Description of first aid measures

<i>Skin Contact</i>	P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
<i>Eye Contact</i>	P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313: If eye irritation persists: Get medical advice/attention.
<i>Ingestion</i>	P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
<i>Inhalation</i>	P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

### 2. Most important symptoms and effects

No data available.

### 3. Indication of any immediate medical attention

No data available.

## 5. Firefighting measures

### 1. Extinguishing Media

<i>Suitable</i>	No data available.
<i>Unsuitable</i>	No data available.

### 2. Special Hazards arising from the substance or mixture

No data available.

### 3. Advice for Fire Fighters

No data available.

## 6. Accidental Release Measures

### 1. Personal Precautions

Do not attempt to take action without suitable protective clothing.

### 2. Environmental Precautions

No data available.

### 3. Methods & Materials

Mix with sand or vermiculite.  
Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 4. Preventing the occurrence of secondary hazards.

No data available.

## 7. Handling and Storage

### 1. Personal Precautions

*Safe Handling* Ensure there is sufficient ventilation of the area.  
P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.

*Protection against explosions and fires* No data available.

## 2. Conditions for safe storage, including any incompatibilities

<i>Managing Storage Risks</i>	Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight.
<i>Storage Controls</i>	No special requirements.
<i>Maintaining Integrity</i>	Store away from oxidising agents.
<i>Other advice</i>	No data available.

## 3. Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for research and development purposes only.

## 8. Exposure Controls/Personal Protection

### 1. Control Parameters

No Data Available

### 2. Exposure Controls

<i>General protective and hygiene measures</i>	P280: Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with skin and eyes.
<i>Engineering measures</i>	P271: Use only outdoors or in a well-ventilated area.
<i>Eye / Face Protection</i>	Safety glasses.
<i>Hand protection</i>	Protective gloves.
<i>Respiratory protection</i>	Respiratory protective device with particle filter.
<i>Skin protection</i>	Handle with gloves.
<i>Other personal protection advice</i>	No data available.

## 9. Physical and Chemical Properties

### 1. Physical and Chemical Properties

Appearance	Solid
Odour	No Data Available
Odour threshold	No Data Available
PH	No Data Available
Melting point / Freezing point	No Data Available
Initial boiling point and boiling range	No Data Available
Flash point	No Data Available
Evaporation rate	No Data Available
Flammability(solid,gas)	No Data Available
Upper/lower flammability or explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour density	No Data Available
Relative density	No Data Available
Solubility(ies):	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Explosive properties	No Data Available
Oxidising properties	No Data Available

### 2. Other Information

No data available.

## 10. Stability and Reactivity

### 1. Reactivity

No data available.

### 2. Stability

Stable under normal conditions.

### 3. Possibility of Hazardous Reactions

No data available.

### 4. Conditions to Avoid

No data available.

### 5. Incompatible Materials

No data available.

### 6. Hazardous Decomposition Products

No data available.

## 11. Toxicology information

### 1. Information

<i>Acute Toxicity</i>	No data available.
<i>Skin corrosion/irritation</i>	No data available.
<i>Serious eye Damage/irritation</i>	No data available.
<i>Respiratory or skin sensitisation</i>	No data available.
<i>Germ Cell mutagenicity</i>	No data available.
<i>Carcinogenicity</i>	No data available.
<i>Reproductive toxicity</i>	No data available.
<i>STOT-single exposure</i>	No data available.
<i>STOT-repeated exposure</i>	No data available.
<i>Aspiration hazard</i>	No data available.

### 2. Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

## 12. Ecological Information

### 1. Toxicity

No data available.

### 2. Persistence and degradability

No data available.

### 3. Bio-Accumulative Potential

No data available.

### 4. Mobility and Soil

No data available.

### 5. Results of PBT & vPvB assessment

No data available.

## 6. Other adverse effects

No data available.

## 13. Disposal Considerations

### 1. Waste Treatment Methods

*Disposal Operations* Consult state, local or national regulations for proper disposal.

*Disposal of Packaging* Disposal must be made according to official regulations.

## 14. Transport Information

### Air (ICAO)

Not classified as hazardous for transport

### Road (ADR)

Not classified as hazardous for transport

### Sea (IMDG)

Not classified as hazardous for transport

## 15. Safety, health, environmental and national regulations

### 1. Safety, health, environmental and national regulations:

Product is not subject to any additional regulations or provisions.

### 2. Safety Assessment

No Chemical Safety Assessment

## 16. Other Information

### 1. Other Information:

ADR: Accord Europeen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by road).

RID:Reglement International concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association.

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the ICAO.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

CAS: Chemical Abstracts Service.

### 2. Associated risk phrases according to European directive 67/548/EEC

### 3. Disclaimer

# Safety Data Sheet

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user.