

Rabeprazole Sodium Salt: sc-208255



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 Chemical Product and Company Identification

Drug Substance Name : Rabeprazole Sodium Salt

Chemical Name : (±) 2-[[4-(3-Methoxypropoxy)-3-methylpyridin-2-yl]methylsulfinyl]-1H-benzimidazole sodium salt

Catalog Number : sc-208255

Company : Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
800.457.3801 or 831.457.3800

Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255
(1-800-CHEMCALL) or call +613 9573 3112

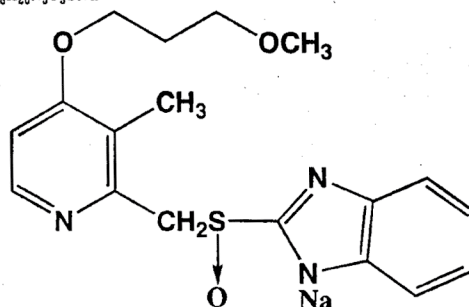
Section 2 Information on Ingredients

Information on Ingredients:

Chemical Name: (±) 2-[[4-(3-Methoxypropoxy)-3-methylpyridin-2-yl]methylsulfinyl]-1H-benzimidazole sodium salt

Content: Not less than 98%

Molecular Formula: $C_{18}H_{20}N_3O_3Na$



Molecular Structure:

Molecular Weight: 381.43

CAS No. :11796-90-6

Section 3 Hazards Identification

Emergency Overview :

Corrosive to eyes.

Skin irritant.

Digestive effect.

Potential Health Effects

E3810 may cause burns or permanent tissue damage to the eyes and may be irritating to the skin.

Effects of exposure may include diarrhea, nausea/vomiting, and stomach tissue changes.

Section 4 First Aid Measures

Ingestion :

Consult a physician immediately for first aid.
Do not induce vomiting.
Never give anything by mouth to someone who is unconscious or convulsing.

Inhalation :

Immediately carry the victim to a place where fresh air is available and keep the victim warm and quiet.
If abnormal respiration is observed, artificial respiration and oxygen should be administered by a qualified specialist.
Send for or take to a physician.

Eye Contact :

Immediately rinse the affected-eyes with clean running water for at least 15 minutes and consult an ophthalmologist.

Skin Contact :

Immediately rinse the site of contact with plenty of water.
Consult a physician immediately for contact with large quantities or if the site stings or blisters form.

Section 5 Fire Fighting Measures

Flash Point: 179°C

Lower Explosive Limit : Not applicable

Upper Explosive Limit : Not applicable

Auto Ignition Temperature : 508°C

Burn Rate or Flame Propagation for Solids : Not applicable

Potentially Hazardous Products of Combustion : Not applicable

General Hazard : E-3810 is not flammable, and explosive force of E-3810 is small.

Fire Fighting Instructions:

Extinguishing Media (For initial Fires) :

Carbon Dioxide, Dry Chemical, Sand, Halogenated Extinguishing Agent,
Alcohol Foam, Water Fog.

Extinguishing Media (Suitable) :

Loaded Steam Fog, Alcohol Foam (desirable for Water Soluble Solvents),
Carbon Dioxide, Halogenated Extinguishing Agent, Dry Chemical.

Other Indications :

Abundant water spray can be used to dilute spills and render them incombustible to extinguish fires and to cool closed containers exposed to fire.

Fire fighters should wear a self-contained breathing apparatus and full protective clothes when fighting fires.

Further Indications :

Partition Coefficient : (N/A) (n-octanol/Water)

Evaporation Rate : (N/A) (BA=1)

Hygroscopicity : (N/A)

Storage Stability : Stable at normal temperatures and pressures.

Substances to avoid contamination with :

1. Strong oxidizing agents.
2. Strong reducing agents.
3. Strong alkalis.
4. Water.
5. Strong acids.
6. Air (Oxygen Moisture).
7. Hazardous lights (such as sunlight).
8. Oxidizing agents.
9. Reducing agents.

Vapor Density (Air=1) : (N/App)

Resistivity : (N/A) Ωcm () °C

Clarity : (N/A)

Carbon Steel Corrosiveness : (N/A)

Section 6 Accidental Release Measures

Measurement in case of accidents and fire :

After spilling / Running out / Gas escape :

Carefully collect the spilled material and place in a bucket. The area should be thoroughly cleaned.

Evacuate all personnel from the area except those involved in clean-up.

Water spray may be used to dilute the spill and the spill away from sensitive areas, if allowed by local authorities and environmental agencies.

Move leaking containers to a safe place if feasible.

Incinerate or place in a suitable disposal container in accordance with corresponding laws. (Follow all Federal, State and local regulations in your Country.)

Section 7 Handling and Storage

Storage Temperature : Normal temperature

Storage Pressure : Atmospheric

Handling :

Wash thoroughly after handling.

Remove contaminated clothing and wash before reuse.

Use only in a well ventilated area.

Minimize dust generation and accumulation.

Avoid contact with eyes, skin, and clothing.

Storage :

All Storage areas should be equipped with an automatic fire-fighting system, consistent with good industrial practice.

Avoid moisture absorption.

Avoid physical damage, friction, open flames and heating, and store in a cool place.

Store in a tightly sealed alkali-resistant container while avoiding contact with acids.

Should be stored indoors out of direct sunlight, at room temperature.

Section 8 Exposure Control/Personal Protection

Technical Protection Measurements :

Provide general and local explosion-proof exhaust ventilation to meet TLV requirement.

Wear protective gloves, face-shields and impervious clothing to prevent skin contact when skin contact may occur.

Do not wear contaminated clothes.

Eye wash stations and safety showers should be readily available in areas where the substance is used or handled.

Personal Protection / Exposure Controls :

Respiratory Protection : Dust Masks or approved respirator.

Eye Protection : Chemical safety goggles and / or face shields.

Body Protection : Rubber safety clothes or impervious clothes.

Hand Protection : Chemical resistant gloves.

Foot Protection : Rubber safety shoes or impervious boots.

Others : Chemical-resistant gloves and body covering to minimize skin contact.

If handled in a ventilated enclosure, such as in a laboratory setting, respirator and goggles or face shield may not be required.

Safety glasses are always required.

Working Hygiene : Shower and change clothing if skin contact occurs.

Fire-And Explosion Prevention :

As a finely divided material, may form dust mixtures in air which could explode if subjected to an ignition source.

Waste Disposal :

Dispose of any cleanup materials and waste residue according to applicable federal, state, and local regulations.

Section 9 Physical and Chemical Properties

Appearance : White to pale yellow powder
ODOR : Odorless
Melting Point : (N/A) °C
Density : (N/A) g/cm³ () °C
Odor : Odorless
Bulk Density : (N/A) kg/m³
Vapor : (N/A) mmHg, () °C
Viscosity : (N/A) cp () °C
pH Value : (10-12) (20) °C (10% aqueous)

Section 10 Stability and Reactivity

Stability : E3810 is decomposed by moisture.
Conditions to Avoid : Data have not been generated for this material at elevated temperatures.
Incompatible Materials : Oxidizing materials
Hazardous Decomposition Products : Nitrogen oxides, Sulfur Dioxide
Hazardous Polymerization : Will not occur.

Section 11 Toxicological Information

Indications For Toxicology :

Acute Toxicology : Oral LD₅₀ : 1322-1447 mg/kg (rat)
intravenous LD₅₀ : 152- 157 mg/kg (rat)
Chronic Toxicology : NOAEL : 5 mg/kg/day (rat), 1 mg/kg/day (dog)
Ames Test : Weakly positive. (-S9 Mix : TA98 Specific activity 1.15 × 10² revertants/mg)
Chromosomal Abnormality : Negative
Acute Inhalant Toxicity : N/App
Micronucleus Test : Negative
Carcinogenicity :
Gastric carcinoid tumors, expected as the results of prolonged hypergastrinemia, were found in rat study.
Not considered carcinogenic in mouse study.
Skin Irritation (In Rabbits) : Corrosive
Eye Irritation (In Rabbits) : irritant
Summary of Risks : Clinical Experience :
Single oral doses of up to 80 mg and repeated doses of 40 mg daily for 8 weeks have been administered. Minor adverse effects reported include diarrhea, abdominal discomfort, nausea, and constipation.

Section 12 Ecological Information

Indications For Ecology :

If used properly no ecological problems are to be expected.
E3810 is biodegradable in aqueous medium.
Toxicity to Fish : N/A
Toxicity to Animals : Rat (oral) : median lethal dose greater than 1300 mg/kg, mortality, labored breathing, inactivity, salivation.
Dog (oral) : 2000 mg/kg, coma, convulsions, diarrhea, miosis.
Toxicity to Birds : N/A
Toxicity to Plants : N/A
Environmental Fate : N/A

Section 13 Disposal Consideration

Classification : N/L
Identification : N/L
Special Instructions : N/A

Section 14 Transport Information

DOT Description N/A
Hazardous Material Description : N/L
Hazard Class : N/L
Identification Number : N/L

Section 15 Regulatory Information

U. S. Federal Regulations : N/L
OSHA :
CERCLA :
SARA :
TSCA :
RCRA :

Section 16 Other Information

N/App means Not Applicable
N/E means Not Established
N/D means Not Detectable
N/A means Not Available
N/L means Not Listed

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.