

Cinnabarinic Acid: sc-211094



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name Cinnabarinic Acid

Catalog Number sc-211094

CAS# 606-59-7

Synonyms 2-Amino-3-oxo-3H-phenoxazine-1,9-dicarboxylic Acid; Cinnabarinic Acid;

Supplier 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 - Hazardous Ingredients / Identity Information

TO THE BEST OF OUR KNOWLEDGE THE CHEMICAL, PHYSICAL AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. EXERCISE DUE CARE.

Section 3 - Physical/Chemical Characteristics

Boiling Point	N/A	Appearance and Odor	N/A
Vapor Pressure	N/A	Specific Gravity(H ₂ O=1)	N/A
Vapor Density	N/A	Melting Point	N/A
Solubility in Water	N/A	Evaporation Rate (Butyl Acetate=1)	N/A
Molecular Formula	C ₁₄ H ₈ N ₂ O ₆	Molecular Weight	300.22

Section 4 - Reactive Data

Stability Good

Conditions to Avoid Strong oxidizers

Hazardous Decomposition or Byproducts toxic fumes of: Carbon dioxide, carbon monoxide and nitrogen oxides

Incompatibility (Materials to Avoid)

Strong oxidizing agents

Hazardous Polymerization

will not occur

Section 5 - Control Measures

Respiratory Protection Niosh/Msha approved respirator

Protective Gloves rubber gloves

Other Protective Clothing lab coat/apron

Ventilation

Eye Protection

Other Protection

chemical fume hood

chemical safety goggles

eye safety wash

Section 6 - First Aid Measures

Inhalation If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Skin In case of contact, immediately wash skin with soap and copious amounts of water.

Ingestion If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Eyes In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 7 - Health Hazard Data

Health Hazards
(Acute and Chronic)

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract.

Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

SIGNS AND SYMPTOMS OF EXPOSURE

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

A natural phenoxazinone derivative, Cinnabarinic acid is obtained in vitro with aid of laccase by oxidative dimerization of 3-Hydroxyanthranilic acid (a metabolite of the amino acid Tryptophan). Cinnabarinic acid strongly induces apoptosis in thymocytes through the generation of reactive oxygen species and the induction of caspase.

<i>Medical Conditions Generally Aggravated by Exposure</i>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Exercise due care
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Section 8 - Precautions for Safe Handling and Use

<i>Steps to be Taken in Case Material is Released or Spilled</i>	wear protective equipment. sweep up, place in a bag and hold for waste disposal. avoid raising dust. ventilate area and wash spill site after material pickup is complete.
<i>Waste Disposal Method</i>	dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. observe all federal, state and local environmental regulations.
<i>Precautions to Be Taken in Handling and Storage</i>	mechanical exhaust required. do not breath dust. avoid contact with eyes, skin and clothing. keep tightly closed. store in a cool dry place.

Section 9 - Fire and Explosion Hazard Data

<i>Extinguishing Media</i>	water spray. carbon dioxide, dry chemical powder or appropriate foam.
<i>Special Fire Fighting Procedures</i>	wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<i>Unusual Fire and Explosion Hazards</i>	Emits toxic fumes in fire conditions

Section 10 - Transportation Information and regulatory information

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

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.

10/27/2010