

N-[3',4'-Dihydroxy-(E)-cinnamoyl]-3-hydroxy-L-tyrosine: sc-212046



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name N-[3',4'-Dihydroxy-(E)-cinnamoyl]-3-hydroxy-L-tyrosine

Synonyms N-[(2E)-3-(3,4-Dihydroxyphenyl)-1-oxo-2-propen-1-yl]-3-hydroxy-L-tyrosine;
trans-Clovamide;

Catalog Nbr sc-212046

Cas Reg. No 53755-02-5

Supplier Santa Cruz Biotechnology, Inc.
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Santa Cruz, California 95060
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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

The toxicological effects have not been thoroughly tested. Exercise due care

Section 3 - Physical/Chemical Characteristics

Boiling Point N/A

Vapor Pressure N/A

Vapor Density N/A

Solubility in Water NA

Molecular Formula C₁₈H₁₇NO₇

Molecular Weight 459.33

Appearance and Odor

Pale Yellow Solid

Specific Gravity(H₂O=1)

N/A

Melting Point

108-112°C

Evaporation Rate (Butyl Acetate=1) N/A

Section 4 - Reactive Data

Stability stable, store under inert gas

Incompatibility
(Materials to Avoid)

strong oxidizing agents

Conditions to Avoid strong oxidizing agents

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

Hazardous Polymerization

Will not occur

Section 5 - Control Measures

Respiratory Protection Niosh/Msha approved respirator

Ventilation

Hood

Protective Gloves chemical resistant gloves

Eye Protection

chemical safety goggles

Other Protective Clothing lab coat or apron

Other Protection

safety shower and eye bath

Section 6 - First Aid Measures

Inhalation If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen in a non-flammable area.

Skin In case of contact, immediately wash skin with copious amounts of soap and water for 15 minutes. Wash contaminated clothing before reuse.

Ingestion If swallowed, rinse mouth out with water provided the person is conscious. Call a Physician.

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

Section 7 - Health Hazard Data

Health Hazards
(Acute and Chronic)

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

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

It was identified in the antioxidant polyphenolic fraction of cocoa (*Theobroma cacao* L.). As a naturally occurring caffeoyl conjugate, Clovamide represents an interesting antiradical/antioxidant compound.

*Medical Conditions
Generally Aggravated by
Exposure*

The toxicological properties have not been thoroughly tested Exercise due care.

Section 8 - Precautions for Safe Handling and Use

*Steps to be Taken in
Case Material is
Released or Spilled*

Ventilate area and wash spill site after material pickup is complete. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Evacuate the area.

Waste Disposal Method

dissolve or mix 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.

*Precautions to Be
Taken in Handling
and Storage*

Wear appropriate chemical resistant gloves & safety glasses. Use only in chemical fume hood. Store in freezer at -20°C

Section 9 - Fire and Explosion Hazard Data

Extinguishing Media

water spray, carbon dioxide, dry chemical powder or appropriate foam.

*Special Fire Fighting
Procedures*

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

*Unusual Fire and
Explosion Hazards*

emits toxic fumes under fire conditions.

Section 10 - Transportation Information and regulatory information

Transportation 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.

5/25/2010