

KAD-1229 Calcium Hydrate: sc-207776



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical and Company Information

Chemical Name	KAD-1229 Calcium Hydrate		
Catalog Number	sc-207776		
CAS#	207844-01-7		
Synonyms	(S)-2-Benzyl-4-oxo-4-(cis-perhydroisoindol-2-yl)butyric Acid Calcium Salt Hydrate; Mitiglinide Calcium Hydrate;		
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

The toxicological properties of this compound have not been thoroughly investigated. Exercise due care.

Section 3 - Physical/Chemical Characteristics

Boiling Point	N/A	Appearance and Odor	White Solid
Vapor Pressure	N/A	Specific Gravity(H ₂ O=1)	N/A
Vapor Density	N/A	Melting Point	198-200°C
Solubility in Water	N/A	Evaporation Rate (Butyl Acetate=1)	N/A

Section 4 - Reactive Data

Stability	stable	Incompatibility (Materials to Avoid)	strong oxidizing agents,
Conditions to Avoid	Strong oxidizers	Hazardous Polymerization	will not occur
Hazardous Decomposition or Byproducts	toxic fumes of carbon monoxide, carbon dioxide, and nitrogen oxides		

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)

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

Skin Contact: May Causes skin irritation.

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

Eye Contact: Causes eye irritation.

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

Ingestion: May be harmful if swallowed.

Additional information

KAD-1229 binds to sulfonylurea receptors and inhibits the activity of ATP-sensitive K⁺ channel in MIN 6 cells. Antidiabetic.

<i>Medical Conditions Generally Aggravated by Exposure</i>	The toxicological properties of this compound 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>	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.
<i>Waste Disposal Method</i>	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.
<i>Precautions to Be Taken in Handling and Storage</i>	Wear appropriate chemical resistant gloves & safety glasses. Use only in chemical fume hood. For short term use (1-3mon.), store desiccated. For long term storage (3-12 mon.), store desiccated & refridgerate (-20 to 0°C). Avoid exposure to sunlight.

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 under 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.

9/20/2010