

# Ridaforolimus: sc-212783



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

---

### 1. PRODUCT AND COMPANY IDENTIFICATION:

**Product Name:** Ridaforolimus  
**Catalog number:** sc-212783  
**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 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

### 2. COMPOSITION/DATA ON COMPONENTS:

**Chemical Name:** 42-(Dimethylphosphinate)rapamycin  
**Synonyms:** 9CI, AP 23573, Deforolimus, MK-8669  
**Hazardous Ingredient:** Ridaforolimus  
**CAS Registry Number:** 572924-54-0  
**Molecular Weight:** 990.21  
**Molecular Formula:** C<sub>53</sub>H<sub>84</sub>NO<sub>14</sub>P

### 3. HAZARDS IDENTIFICATION:

**Hazard Description:** Immunosuppressant  
Avoid contact with skin and eyes  
Avoid inhalation; do not take internally  
Exposure may result in mucositis (inflammation of the mucous membranes lining the digestive tract, especially mouth sores), rash, fatigue, hyperlipidemia (higher than normal levels of certain fats in the blood), thrombocytopenia (low blood platelet level), anemia, nausea, and anorexia

### 4. FIRST AID MEASURES:

**After Inhalation:** If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration  
**After skin contact:** flush with copious amounts of water; remove contaminated clothing and shoes; call a physician  
**After eye contact:** check for and remove contact lenses; flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician  
**After swallowing:** if swallowed, wash out mouth with copious amounts of water; call a physician

### 5. FIRE FIGHTING MEASURES:

**Suitable extinguishing agents:** water spray, carbon dioxide, dry chemical powder or foam  
**Protective equipment:** wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
**Unusual fire hazard:** may emit toxic fumes under fire conditions such as carbon monoxide, etc.

### 6. ACCIDENTAL RELEASE MEASURES:

**Person-related safety precautions:** cordon off area of spill; wear self-contained breathing apparatus, protective clothing and heavy rubber gloves  
**Measures for cleaning/collecting:** absorb solutions with finely- powdered liquid-binding material (diatomite,

universal binders); decontaminate surfaces and equipment by scrubbing with alcohol; dispose of contaminated material according to Section 13

## 7. HANDLING AND STORAGE:

**Information for safe handling:** avoid contact with skin, eyes and clothing; material may be an irritant

**Storage:** store solid and solutions at -20 °C

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

**Personal protective equipment as follows:**

**Breathing equipment:** NIOSH/MSHA-approved respirator

**Protection of hands:** chemical-resistant rubber gloves

**Eye protection:** chemical safety goggles

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Form:** Crystalline solid; granular or powder

**Melting point/Melting range:** not tested

**Danger of explosion:** none

**Solubility in / Miscibility with water:** not soluble

**Solvent content:**

**Organic solvents:** soluble in DMSO

## 10. STABILITY AND REACTIVITY:

**Stability:** avoid acids and bases

**Thermal decomposition / conditions to be avoided:** protect from light and heat

**Dangerous products of decomposition:** thermal decomposition may produce toxic gases such as carbon monoxide and carbon dioxide, and nitrogen oxides

## 11. TOXICOLOGICAL INFORMATION:

**RTECS No:** not available

**Acute toxicity:** not known

**On the skin:** not known, may be an irritant

**On the eye:** not known, may be an irritant

**Inhalation:** not known, may cause irritation to mucous membranes and upper respiratory tract; may be harmful if inhaled

**Ingestion:** may be harmful if swallowed

## 12. ECOLOGICAL INFORMATION:

**General notes:** no data available

## 13. DISPOSAL CONSIDERATION:

Dispose of in accordance with prevailing country, federal, state and local regulations

## 14. TRANSPORT INFORMATION:

**DOT:**

**Proper shipping name:** none

**Non-Hazardous for transport:** this substance is considered to be non-hazardous for transport

**IATA class:**

**Proper shipping name:** none

**Non-Hazardous for transport:** this substance is considered to be non-hazardous for transport

## **15. REGULATIONS:**

**Code letter and hazard designation of product:**

**EU Risk And Safety phrases:**

S22: Do not breathe dust

S24/25: Avoid contact with skin and eyes

S36/37/39: Wear suitable protective clothing, gloves, and eye/face protection

## **16. OTHER INFORMATION:**

*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.*

12/27/2010