



## Zilpaterol: sc-220402

## MATERIAL SAFETY DATA SHEET

The Power to Question

**SECTION 1 - PRODUCT AND COMPANY INFORMATION**

Product Name: Zilpaterol  
 Catalog Number: sc-220402  
 Supplier: Santa Cruz Biotechnology, Inc.  
 2145 Delaware Ave.  
 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 - COMPOSITION/INFORMATION ON INGREDIENT**

<u>Substance Name</u>	<u>CAS #</u>	<u>SARA 313</u>
Zilpaterol	119520-05-7	-
Synonyms	(±)-trans-4,5,6,7-Tetrahydro-7-hydroxy-6-(isopropylamino)imidazo[4,5,1-jk][1]benzazepin-2(1H)-one	
Formula:	C <sub>14</sub> H <sub>19</sub> N <sub>3</sub> O <sub>2</sub>	
Molecular Weight:	261.32	

**SECTION 3 - HAZARDS IDENTIFICATION**

## HMIS RATING

HEALTH: 0  
 FLAMMABILITY: 0  
 REACTIVITY: 0

## NFPA RATING

HEALTH: 0  
 FLAMMABILITY: 0  
 REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

**SECTION 4 - FIRST AID MEASURES**

## ORAL EXPOSURE

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

## INHALATION EXPOSURE

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

## DERMAL EXPOSURE

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

## EYE EXPOSURE

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

**SECTION 5 - FIRE FIGHTING MEASURES**

## EXPLOSION DATA

Dust Potential: This material, like most materials in powder form, is capable of creating a dust explosion.

## FLASH POINT

N/A

## AUTOIGNITION TEMP

N/A

## FLAMMABILITY

N/A

## EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

## FIRE FIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
 Specific Hazard(s): Emits toxic fumes under fire conditions.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

## PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

## METHODS FOR CLEANING UP

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.

**SECTION 7 - HANDLING AND STORAGE**

## HANDLING

User Exposure: Avoid inhalation. Avoid contact with eyes, skin and clothing.  
 Avoid prolonged or repeated exposure.

## STORAGE

Suitable: in tight containers. The dry powder at controlled room temperature.

**SECTION 8 - EXPOSURE CONTROLS / PPE**

## ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

## PERSONAL PROTECTIVE EQUIPMENT

Wear appropriate government approved respirator, compatible chemical-resistant gloves, chemical safety goggles.

## GENERAL HYGIENE MEASURES

Wash contaminated clothing before reuse. Wash thoroughly after handling.

**SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES**

Form ..... powder  
 pH ..... N/A  
 BP/BP Range ..... N/A  
 MP/MP Range ..... N/A  
 Freezing Point ..... N/A  
 Vapor Pressure ..... N/A  
 Vapor Density ..... N/A  
 Saturated Vapor Conc. .... N/A  
 SG/Density ..... N/A  
 Bulk Density ..... N/A  
 Odor Threshold ..... N/A  
 Volatile% ..... N/A  
 VOC Content ..... N/A  
 Water Content ..... N/A  
 Solvent Content ..... N/A  
 Evaporation Rate ..... N/A  
 Viscosity ..... N/A  
 Surface Tension ..... N/A  
 Partition Coefficient ..... N/A  
 Decomposition Temp. .... N/A  
 Flash Point ..... N/A  
 Explosion Limits ..... N/A  
 Flammability ..... N/A  
 Autoignition Temp ..... N/A  
 Refractive Index ..... N/A  
 Miscellaneous Data ..... N/A  
 N/A=not available

continued...

## SECTION 10 - STABILITY AND REACTIVITY

### STABILITY

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

### HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

### HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### ROUTE OF EXPOSURE

Skin Contact: May causes skin irritation.

Eye Contact: May causes eye irritation.

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

Multiple Routes: Harmful if swallowed, inhaled, or absorbed through skin.

### SIGNS AND SYMPTOMS OF EXPOSURE

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

## SECTION 12 - ECOLOGICAL INFORMATION

No data available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

### APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

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.

## SECTION 14 - TRANSPORT INFORMATION

### DOT

Proper Shipping Name: None

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

### IATA

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

## SECTION 15 - REGULATORY INFORMATION

### UNITED STATES REGULATORY INFORMATION

SARA LISTED: No

### CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: No

## SECTION 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.***

1/25/2012