

# MATERIAL SAFETY DATA SHEET



The Power to Question

## CGP 57380: sc-202993

### 1. Identification of the substance/preparation and of the company/undertaking

**Product name** : MNK1 Inhibitor **Catalog #** : sc-202993  
**Chemical formula** : C<sub>11</sub>H<sub>9</sub>FN<sub>6</sub> **Supplier** : Santa Cruz Biotechnology, Inc.  
**Synonym** : 4-Amino-5-(4-fluoroanilino)-pyrazolo[3,4-d]pyrimidine  
MNK1 Inhibitor 2145 Delaware Avenue  
Santa Cruz, California 95060  
800.457.3801 or 831.457.3800

### 2. Composition / information on ingredients

**Substance/Preparation** : Substance

Chemical name*	CAS No.	EC Number	Symbol	R-Phrases
4-Amino-5-(4-fluoroanilino)-pyrazolo[3,4-d]pyrimidine	522629-08-9	Not available.	T	R25, R36/37/38

### 3. Hazards identification

**Physical/chemical hazards** : Not applicable.  
**Human health hazards** : WARNING!  
HARMFUL IF SWALLOWED.  
MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

### 4. First-aid measures

#### First-Aid measures

**Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**Ingestion** : If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.  
**Skin Contact** : In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.  
**Eye Contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

#### Effects and symptoms

**Inhalation** : Hazardous in case of inhalation (lung irritant).  
**Ingestion** : May be fatal if swallowed.  
**Skin Contact** : Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.  
**Eye Contact** : Hazardous in case of eye contact (irritant).

**Aggravating conditions** : Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

### 5. Fire-fighting measures

**Flammability of the Product** : May be combustible at high temperature.

#### Extinguishing Media

**Suitable** : SMALL FIRE: Use DRY chemical powder.  
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Hazardous thermal (de)composition products** : These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...), halogenated compounds, hydrogen fluoride.

**Special fire-fighting procedures** : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

**Protection of fire-fighters** : Be sure to use an approved/certified respirator or equivalent.

## 6. Accidental release measures

- Personal precautions** : Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
- Small Spill and Leak** : Use appropriate tools to put the spilled solid in a convenient waste disposal container.
- Large Spill and Leak** : Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

## 7. Handling and storage

- Handling** : Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 4°C (39.2°F).
- Packaging materials**
- Recommended use** : Use original container.

## 8. Exposure controls/personal protection

- Engineering measures** : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- Hygiene measures** : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

<u>Ingredient Name</u>	<u>Occupational Exposure Limits</u>
MNK1 Inhibitor	Not available.

### Personal protective equipment

- Respiratory system** : Dust respirator. Be sure to use an approved/certified respirator or equivalent.
- Skin and body** : Lab coat.
- Hands** : Gloves.
- Eyes** : Splash goggles.
- Protective Clothing (Pictograms)** :



## 9. Physical and chemical properties

- Physical state** : Solid.
- Color** : Off-white.
- Molecular Weight** : 244.2 g/mole
- Solubility** : Not available.
- Flash point** : Not available.
- Explosive properties** : Risks of explosion of the product in presence of mechanical impact: Not available.  
Risks of explosion of the product in presence of static discharge: Not available.

## 10. Stability and reactivity

- Stability** : The product is stable.
- Conditions to avoid** : Not available.
- Materials to avoid** : Reactive with oxidizing agents.
- Hazardous Decomposition Products** : These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...), halogenated compounds, hydrogen fluoride.

## 11. Toxicological information

<b>RTECS #</b>	: Not available.
<b>Local effects</b>	
<b>Skin irritation</b>	: Hazardous in case of skin contact (irritant).
<b>Acute toxicity</b>	: LD50: Not available. LC50: Not available.
<b>Chronic toxicity</b>	: Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
<b>Other Toxic Effects on Humans</b>	: Not available. Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation (lung irritant).  Not available.  To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.
<b>Carcinogenic effects</b>	: Not available.
<b>Mutagenic effects</b>	: Not available.
<b>Reproduction toxicity</b>	: Not available.
<b>Teratogenic effects</b>	: Not available.

## 12. Ecological information


<b>Ecotoxicity</b>	: Not available.
<b>Toxicity of the Products of Biodegradation</b>	: The products of degradation are as toxic as the product itself.

## 13. Disposal considerations

<b>Methods of disposal; Waste of residues; Contaminated packaging</b>	: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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## 14. Transport information


### International transport regulations

<b>UN number</b>	: UN2811
<b>Land - Road/Railway</b>	
<b>Proper shipping name</b>	: Toxic solid, organic, n.o.s.*
<b>ADR/RID Class</b>	: CLASS 6.1: Toxic substance.
<b>Packing Group</b>	: III
<b>ADR/RID label</b>	: 

### Sea

<b>Proper shipping name</b>	: Toxic solid, organic, n.o.s.*
<b>IMDG Class</b>	: CLASS 6.1: Toxic substance.
<b>Packing Group</b>	: III
<b>IMDG label</b>	: 

### Air

<b>Proper shipping name</b>	: Toxic solid, organic, n.o.s.*
<b>UN/ID Number</b>	: UN2811
<b>IATA-DGR Class</b>	: CLASS 6.1: Toxic substance.
<b>Packing Group</b>	: III
<b>IATA label</b>	: 

<b>Special Provisions for Transport</b>	: Not available.
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## 15. Regulatory information

### EU Regulations

Hazard symbol(s)



Classification

: Toxic

Risk Phrases

: R25- Toxic if swallowed.  
R36/37/38- Irritating to eyes, respiratory system and skin.

Safety Phrases

: S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.  
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contains

: - MNK1 Inhibitor

### U.S. Federal Regulations

: TSCA: No products were found.

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found.

Clean air act (CAA) 112 regulated flammable substances: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

HCS Classification

: CLASS: Toxic.

State Regulations

:

### WHMIS (Canada)

: Not controlled under WHMIS (Canada).

No products were found.

## 16. Other information

**Hazardous Material  
Information System  
(U.S.A.)**

Health	2
Fire Hazard	1
Reactivity	0
Personal Protection	E

**National Fire  
Protection Association  
(U.S.A.)**



### Notice to Reader

***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.***

### **Emergency Contact:**

Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, California 95060  
800.457.3801 or 831.457.3800  
or Luis Yanez 831.251.2170