

# 4-Chloro-6-methoxy Indole: sc-210003



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 4-Chloro-6-methoxy Indole

**Product Number:** sc-210003

**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. HAZARD IDENTIFICATION

**GHS Hazards Classification (According to EU Regulation 1272/2008 and US OSHA 1910.1200)**

Acute Toxicity, Oral (Category 4)

Skin Irritation (Category 2)

Serious Eye Damage (Category 1)

Germ Cell Mutagenicity (Category 2)

**GHS Hazards Identification (According to EU Regulation 1272/2008 and US OSHA 1910.1200)**

Pictogram



Signal Word

Danger

#### GHS Hazard Statements

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H341 Suspected of causing genetic defects.

#### GHS Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P301/P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P305/P351/P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### EU Classification (According to EU Regulation 67/548/EEC)

Harmful if swallowed. Risk of serious damage to the eyes. Irritating to the skin. Possible risk of irreversible effects.

#### EU Risk and Safety Statements (According to EU Regulation 67/548/EEC)

Hazard Statements Hazard Codes Pictogram

Harmful

Xn



#### Risk Codes and Phrases

R22 Harmful if swallowed.  
R41 Risk of serious damage to the eyes.  
R38 Irritating to the skin.  
R68 Possible risk of irreversible effects.

#### Safety Precaution Codes and Phrases

S22 Do not breathe dust.

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection.

S46

If swallowed, seek medical advice immediately and show this container or label.

**WHMIS Classification (Canada)**

D2B Toxic Material Causing Other Toxic Effects:

Mutagen, Severe Eye Irritant, Moderate Skin Irritant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Synonyms:** 4-Chloro-6-Methoxy-1H-indole

**Formula:** C<sub>9</sub>H<sub>8</sub>ClNO

**Molecular Weight:** 181.62

<i>CAS-No.</i>	<i>EC-No.</i>	<i>Index-No.</i>	<i>Concentration</i>
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<b>4-Chloro-6-methoxy Indole</b>			
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**4. FIRST AID MEASURES**

**General Advice**

If medical attention is required, show this safety data sheet to the doctor.

**If Inhaled**

If inhaled, move casualty to fresh air. If not breathing, give artificial respiration and consult a physician.

**In Case of Skin Contact**

Wash affected area with soap and water. Consult a physician if any exposure symptoms are observed.

**In Case of Eye Contact**

Immediately rinse eyes with plenty of water for at least 15 minutes. Consult a physician.

**If Swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting unless advised to do so by a physician or Poison Control Center. Seek medical attention.

**Most Important Symptoms and Effects, Both Acute and Delayed**

No data available

**Indication of any Immediate Medical Attention and Special Treatment Needed**

No data available

**5. FIREFIGHTING MEASURES**

**Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Hazardous Combustion Products**

Carbon oxides, Nitrogen oxides, Hydrogen bromide

**Protective Equipment for Firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

Use recommended personal protective equipment (see Section 8). Prevent the formation of dusts and mists.

Adequate ventilation must be provided to ensure dusts or mists are not inhaled.

**Environmental Precautions**

Material should not be allowed to enter the environment. Prevent further spillage or discharge into drains, if safe to do so.

**Methods and Materials for Containment and Cleaning Up**

Contain the spill and then collect using non-combustible absorbent material (such as clay, diatomaceous earth, vermiculite or other appropriate material). Place material in a suitable, sealable container and then dispose according to local/national regulations and guidance (see Section 13).

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid contact with skin and eyes. Ventilation and proper handling are to be used to prevent the formation of dusts and mists. Normal measures for preventative fire protection. No smoking, eating or drinking around this material. Wash hands after use.

### Conditions for Safe Storage, Including any Incompatibilities

Ensure container is kept securely closed before and after use. Keep in a well ventilated area and do not store with strong oxidizers or other incompatible materials (see Section 10). Store at 4°C.

### Specific End Uses

For scientific research and development only. Not for use in humans or animals.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no components with established occupational exposure limits.

### Engineering Controls

A laboratory fume hood or other appropriate form of local exhaust ventilation should be used to avoid exposure.

### Personal Protective Equipment

All recommendations below are advisory in nature and a risk assessment should be performed by the employer/end user prior to use of this product. The type of protective equipment must be selected based on the amount and concentration of the dangerous material being used in the workplace.

#### Eye/Face Protection

Safety glasses or safety goggles. All equipment should have been tested and approved under appropriate standards, such as NIOSH (US), CSA (Canada), or EN 166 (EU).

#### Skin Protection

Gloves should be used when handling this material. Gloves are to be inspected prior to use. Contaminated gloves are to be removed using proper glove removal technique so that the outer surface of the glove does not contact bare skin. Dispose of contaminated gloves after use in compliance with good laboratory practices and local requirements.

#### Body Protection

Fire resistant (Nomex) lab coat or coveralls.

#### Respiratory Protection

Recommended respirators are NIOSH-approved N95 or CEN-approved FFP2 particulate respirators. These are to be only used as a backup to local exhaust ventilation or other engineering controls. If the respirator is the only means of protection, a full-face supplied air respirator must be used.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid	Odor	No data available
Odor Threshold	No data available	pH	No data available
Melting Point/Freezing Point	No data available	Boiling Point/Boiling Range	No data available
Flash point	No data available	Evaporation Rate	No data available
Flammability (Solid/Gas)	No data available	Upper/Lower Explosive Limits	No data available
Vapor Pressure	No data available	Vapor Density	No data available
Relative Density	No data available	Solubility	Chloroform
Auto-Ignition Temperature	No data available	Decomposition Temperature	No data available
Viscosity	No data available	Explosive Properties	No data available
Partition Coefficient: n-octanol/water	No data available	Oxidizing Properties	No data available

## 10. STABILITY AND REACTIVITY

### Chemical Reactivity

No data available

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

No data available

### Conditions to Avoid

No data available

**Incompatible Materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

No data available

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity**

No data available

**Skin Corrosion/Irritation**

Moderate skin irritant.

**Serious Eye Damage/Irritation**

No data available

**Respiratory or Skin Sensitization**

No data available

**Germ Cell Mutagenicity**

Possible human mutagen. Laboratory results have shown structurally related compounds exhibited mutagenicity in several model systems.

**Carcinogenicity**

No data available

**Reproductive Toxicity/Teratogenicity**

No data available

**Single Target Organ Toxicity - Single Exposure**

No data available

**Single Target Organ Toxicity - Repeated Exposure**

No data available

**Aspiration Hazard**

No data available

**Potential Health Effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion** Harmful if swallowed.

**Skin** May be harmful if absorbed through skin. Causes skin irritation.

**Eyes** Causes severe eye burns and possible permanent eye damage.

**Signs and Symptoms of Exposure**

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

**Additional Information**

RTECS: Not listed

**12. ECOLOGICAL INFORMATION****Toxicity**

no data available

**Bioaccumulative potential**

no data available

**PBT and vPvB assessment**

no data available

**Persistence and degradability**

no data available

**Mobility in soil**

no data available

**Other adverse effects**

no data available

**13. DISPOSAL CONSIDERATIONS****Product**

Product may be burned in an incinerator equipped with afterburner and scrubber. Excess and expired materials are to be offered to a licensed hazardous material disposal company. Ensure that all Federal and Local regulations regarding the disposal and destruction of this material are followed.

**Contaminated Packaging**

Dispose of as above.

**Other Considerations**

Product is not to be disposed of in sanitary sewers, storm sewers, or landfill

#### 14. TRANSPORT INFORMATION

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

#### 15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of WHMIS (Canada), OSHA 1910.1200 (US), and EU Regulation EC No. 1907/2006 (European Union).

**Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture****Canada-DSL/NDSL Status**

This product is not listed on the Canadian DSL/NDSL.

**United States-TSCA Status**

This product is not listed on the US EPA TSCA.

**European Union-ECHA Status**

This product is not registered with the EU ECHA.

**Chemical Safety Assessment**

No data available

#### 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.*

09/27/2013