

# 5-[(4-Fluorobenzylidene)-2,4-thiazolidinedione: sc-210248



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Product Name: 5-[(4-Fluorobenzylidene)-2,4-thiazolidinedione  
Catalog Number: sc-210248  
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

### 2. COMPOSITION AND INFORMATION ON COMPONENTS

Product Name: (5Z)-5-[(4-fluorophenyl)methylidene]-1,3-thiazolidine-2,4-dione  
CAS No: 262601-87-6  
Synonyms: No data available

### 3. HAZARDS IDENTIFICATION

Designation: WARNING! Investigational drug substance, therefore the effects in humans have not been fully characterized.  
General Risk: Avoid inhalation, contact with skin or eyes, and ingestion. Follow safe industrial hygiene practices and always wear personal protective equipment when handling this compound.

### 4. FIRST AID MEASURES

Inhalation: Remove to fresh air. In cases of serious discomfort seek medical attention. If not breathing, trained personnel should administer oxygen or artificial respiration.  
Eye Contact: Flush with copious amounts of water for at least 20 minutes. Seek immediate medical attention.  
Skin Contact: Remove contaminated clothing. Rinse affected area with copious amounts of water. Rinse thoroughly. In case of skin damage or persistent irritation seek immediate medical attention. Show the physician the container details.  
Ingestion: Call a physician or poison control center immediately. Induce vomiting only if instructed to do so by medical personnel. Seek immediate medical attention.

### 5. FIRE FIGHTING MEASURES

Extinguishing Medium: Use fire fighting measures which suit the environment and take into account other materials which may be involved. Use carbon dioxide or dry powder for fires involving this material. In general, water-based extinguishers are not recommended for fires involving organic materials.  
Protective Equipment: Wear self-contained breathing apparatus and protective clothing. Most compounds emit toxic gases when burning.



## 6. ACCIDENTAL RELEASE MEASURES

Personal Protection:	Avoid dust formation. Wear appropriate eye, skin, respiratory protection, disposable dust impervious suit and shoe covers.
Environmental Protection:	Unknown
Collection:	Contain or absorb, as appropriate. Minimize dust generation, where applicable. Dispose according to Section 13.

## 7. HANDLING AND STORAGE

Handling:	Chemicals should be used only by those trained in handling potentially hazardous materials. Chemical resistant gloves, eye protection and protective clothing should be worn. Operations should be carried out in efficient fume hood or equivalent system. Avoid breathing of dust, vapor, mist, or gas.
Storage:	Store in a cool, dry, well ventilated area. Store in a tightly sealed container. Protect from moisture, heat, ignition sources, and incompatible substances. Protect from direct light. See stability and reactivity for more details on incompatible substances.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory:	Avoid inhalation of product. Handle in an efficient fume hood or equivalent system.
Eye:	Unknown
Hands and Body:	Avoid skin contact. Wear chemical-resistant gloves and, for larger quantities, a full arm and body protection. Wash hands thoroughly after handling.

## 9. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Appearance:	No data available
Boiling Point:	No data available
Melting Point:	No data available
Molecular Formula:	No data available
Water Solubility:	No data available
Flash Point:	No data available
Formula Weight:	223.224
Density:	No data available
Lower Explosive Limit:	No data available
Upper Explosive Limit:	No data available
PEL:	No data available
Auto Ignition Point:	No data available

## 10. STABILITY AND REACTIVITY

No specific data on stability, incompatibility, or reactivity is currently available. Keep away from high temperature, flames, sparks and oxidizing agents.



#### 11. TOXICOLOGICAL INFORMATION

The toxicological properties of this compound have not been fully investigated. However, as a minimum precaution, it should be considered to be harmful. Precautions should be taken and procedures adopted to prevent exposure. Hazardous decomposition products may occur when this compound comes in contact with other chemicals, fire, or water.

#### 12. ECOLOGICAL EFFECTS

Take care to prevent chemicals from entering the ground, water bodies, or drainage systems.

#### 13. DISPOSAL CONSIDERATIONS

No data available

#### 14. TRANSPORT INFORMATION

UN Number: No data available

Packing Group: No data available

Hazard Class: No data available

DOT ShipName: No data available

Other Information: No data available

#### 15. REGULATORY INFORMATION

None 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.***

7/7/2010