

Tandutinib: sc-202353



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

Product Name: Tandutinib
Catalog number: sc-202353
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: 4-[6-methoxy-7-[3-(1-piperidinyl)propoxy]-4-quinazolinyl]-N-[4-(1-methylethoxy)phenyl]-1-piperazinecarboxamide
Synonyms: MLN518, CT53518, D06005
Hazardous Ingredient: Tandutinib
CAS Registry Number: 387867-13-2
Molecular Weight: 562.70
Molecular Formula: C₃₁H₄₂N₆O₄

3. HAZARDS IDENTIFICATION:

Hazard Description: Ingestion may result in muscular weakness, fatigue, nausea, vomiting, and diarrhea. May cause irritation of the skin, eyes, respiratory tract, and digestive tract.

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 scrdispose 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

Odor: none

Melting point/Melting range: 172–183 °C

Danger of explosion: none

Solubility in / Miscibility with water: very poorly soluble in water; maximum solubility in plain water is estimated to be about 50–100 µM; buffers, serum, or other additives may increase or decrease the aqueous solubility

Solvent content: none

Organic solvents: soluble in DMSO at 25 mg/mL with slight warming; soluble in ethanol at 25 mg/mL with slight warming

10. STABILITY AND REACTIVITY:

Stability: stable if stored as directed; avoid strong oxidizing agents

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, carbon dioxide, and nitrogen oxides

11. TOXICOLOGICAL INFORMATION:

RTECS No: not available

Acute toxicity: symptoms of CNS or neuromuscular toxicity such as lack of coordination and tremors have been observed in dogs following the acute administration of high oral doses of tandutinib

Primary irritant effect:

On the skin: not known; may be an irritant

On the eye: not known; may be an irritant

Inhalation: not known; may be harmful if inhaled

Ingestion: not known

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: Wear suitable protective clothing

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.

12/13/2010