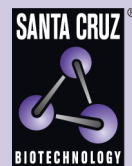


Bosutinib: sc-202084

MATERIAL SAFETY DATA SHEET



The Power to Question

1. IDENTIFICATION OF SUBSTANCE:

Trade name: **Bosutinib**
Product Number: sc-202084
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
800.457.3801 or 831.457.3800

2. COMPOSITION/DATA ON COMPONENTS:

Chemical Name: 4-[(2,4-dichloro-5-methoxyphenyl)amino]-6-methoxy-7-[3-(4-methylpiperazin-1-yl)propoxy]quinoline-3-carbonitrile

Synonyms: SKI-606

Hazardous Ingredient: Bosutinib, Free Base

CAS Registry Number: 380843-75-4

Molecular Weight: 530.45

Molecular Formula: $C_{26}H_{29}Cl_2N_5O_3$

3. HAZARDS IDENTIFICATION:

Hazard Description: Irritant

Irritating to eyes

May be irritating to skin, mucous membranes, and respiratory system

May be harmful if inhaled

May be harmful if swallowed

Exposure may result in nausea, vomiting, diarrhea, and abdominal pain

HMIS RATING: Health =2 Flammability =0 Reactivity =0

NFPA RATING: Health =2 Flammability =0 Reactivity =0

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 scrubbing with alcohol; dispose 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

Color: white to off-white

Odor: none

Melting point/Melting range: 210-221 °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 10-50 µM; buffers, serum, or other additives may increase or decrease the aqueous solubility

Solvent content: none

Organic solvents: soluble in DMSO at 33 mg/mL; soluble in ethanol at 10 mg/mL with 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: VB0990000

Acute toxicity: not known

Primary irritant effect:

On the skin: not known; may be an irritant

On the eye: causes eye irritation

Inhalation: may cause irritation to mucous membranes and upper respiratory tract; may be harmful if inhaled

Ingestion: may be harmful if swallowed

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: Xi, Irritant

EU Risk And Safety phrases:

R36/37/38-Irritating to eyes, respiratory system and skin

S22: Do not breathe dust

S24/25: Avoid contact with skin and eyes

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

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.

Emergency Contact:

ChemWatch

Within the US & Canada: 877-715-9305

Outside the US & Canada: +800 2436 2255

(1-800-CHEMCALL) or call +613 9573 3112

6/25/2009