Selumetinib: sc-364613



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

Product Name: Catalog number:	Selumetinib sc-364613
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:	5-[(4-bromo-2-chlorophenyl)amino]-4-fluoro-N/-(2-hydroxyethoxy)-1-methyl-1H-
	benzimidazole-6-carboxamide
Synonyms:	AZD6244; 6-(4-bromo-2-chlorophenylamino)-7-fluoro-N-(2-hydroxyethoxy)-3-methyl-3H-
-, -, -, -, -, -, -, -, -, -, -, -, -, -	benzo[d]imidazole-5-carboxamide: ARRY-142886; ARRY-886; 5-[(4-Bromo-2-
	chlorophenyl)aminol-4-fluoro-N-(2-hydroxyethoxy)-1-methyl-1H-benzimidazole-6-
	carboxamide
Hazardous Ingredient:	Selumetinib. Free Base
CAS Registry Number:	606143-52-6
Molecular Weight:	457.68
Molecular Formula:	C17H15BrCIFN4Q3
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3. HAZARDS IDENTIFICATION:

Hazard Description: pharmaceutically active ingredient

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	Ingestion	Has been shown to produce a number of adverse dermatological effects including
		papulopustular rash (skin eruption consisting of papules and pustules), xerosis (dry
		skin), pruritus (itching), fissures, telangiectasias (small dilated blood vessels near the
		surface of the skin or mucous membranes), hyperpigmentation, alopecia (hair loss),
		angular cheilitis (inflammatory lesion at the corner of the mouth), paronychia (infection
		at the base of the nails), and secondary bacterial infection by Staphylococcus aureus.
		Ingestion may also cause fatigue, nausea, vomiting, diarrhea, peripheral edema, and
		xerostomia (dry mouth).
	Eyes	May cause serious damage.
	Chronic	May cause genotoxicity and have possible teratogenic effects.

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 Melting point/Melting range 208-214 °C Odor Danger of explosion none none

Solubility in / Miscibility with water: Very poorly soluble in water; maximum solubility in plain water is estimated to be about 25-50µM; buffers, serum, or other additives may increase or decrease the aqueous solubility **Organic solvents:** Soluble in DMSO at 200 mg/mL; soluble in ethanol at 2.5 mg/mL with warming

10. STABILITY AND REACTIVITY:

Stability: avoid acids and bases 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 and carbon dioxide, and nitrogen oxides

11. TOXICOLOGICAL INFORMATION:

RTECS No: not available Acute toxicity: oral toxicity (LD50): >300 mg/kg (rat) Primary irritant effect:

On the skin	may cause sensitization
On the eye	may cause serious damage
Inhalation	not known; may be harmful if inhaled
Ingestion	not known; 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: Hazard-determining components of labeling: EU Risk And Safety phrases:

 And Safety phrases:

 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

 S28
 After contact with skin, wash immediately with plenty of water

 S36/37/39
 Wear suitable protective clothing, gloves and eye/face protection

 R41
 Risk of serious damage to eyes

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. 2/8/2013