

MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF MATERIAL AND SUPPLIER

Sorafenib

SYN-1082

4-[4-[[4-chloro-3-(trifluoromethyl)phenyl]carbamoylamino]phenoxy]-N-methylpyridine-2-carboxamide

CAS Registry No.: 284461-73-0

Supplier:	SYNkinase Level 4, Building 21A, 528 Ruiqing Rd. Heqing, Pudong, Shanghai, 201201, China
Technical Assistance:	service@synkinase.com
Emergency Phone Number:	Please contact your local Poison Control Centre: <ul style="list-style-type: none">• Australia – 13 11 26• United States – 1800 222 1222
Revision Date:	August 2014 - Rev 2.0

SECTION 2: HAZARDS IDENTIFICATION

Hazard classification	Hazardous Chemical. Non-Dangerous Good.
Risk phrase(s)	H351: Suspected of causing cancer. H361: Suspected of damaging fertility or the unborn child. H402: Harmful to aquatic life.

SECTION 3: FIRST AID MEASURES

Eye Contact	If this product comes in contact with the eyes:
	<ul style="list-style-type: none">• Wash out immediately with fresh running water.• Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.• Seek medical attention without delay; if pain persists or recurs seek medical attention.• Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin Contact	If skin or hair contact occurs:
	<ul style="list-style-type: none">• Flush skin and hair with running water (and soap if available).• Seek medical attention in event of irritation.

Inhalation	<ul style="list-style-type: none">• If fumes, aerosols or combustion products are inhaled remove from contaminated area.• Other measures are usually unnecessary.
-------------------	--

Ingestion	<ul style="list-style-type: none">• If swallowed do NOT induce vomiting.• If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.• Observe the patient carefully.• Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.• Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.• Seek medical advice.
------------------	--

SECTION 4: FIRE FIGHTING MEASURES

Extinguishing media:	<ul style="list-style-type: none">• Water spray or fog. Foam.
	<ul style="list-style-type: none">• Dry chemical powder.
	<ul style="list-style-type: none">• BCF (where regulations permit).

Special hazards arising from the substrate or mixture

Fire Incompatibility:	<ul style="list-style-type: none">• Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.
------------------------------	---

SECTION 5: ACCIDENTAL RELEASE MEASURES

It is recommended that areas handling final finished product have cytotoxic spill kits available. Spill kits should include:

- Minor Spills:**
- impermeable body covering, shoe covers,
 - latex and utility latex gloves, goggles,
 - approved respirator (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent),
 - absorbent towels, spill control pillows, disposable sponges, sharps container,
 - disposable garbage bag and hazardous waste label.

Where spills are treated with loose absorbents, such as vermiculite, ensure dust exposure is strictly avoided. To avoid accidental:

- Place waste residue in a segregated sealed plastic container.
- Used syringes, needles and sharps should not be crushed, clipped, recapped, but placed directly into an approved sharps container.

- Major Spills:**
- Moderate hazard.
 - CAUTION: Advise personnel in area.
 - Alert Emergency Services and tell them location and nature of hazard. Control personal contact by wearing protective clothing.
-

SECTION 6: HANDLING AND STORAGE

- Safe Handling:**
- Emphasise controls on containment;
- Avoid all personal contact, including inhalation.
 - Wear protective clothing when risk of exposure occurs.

Do not store with: No restriction.

Other Information: None.

SECTION 7: EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards: Not available.

Biological limit values:	Not available.
Engineering controls:	Provide adequate local exhaust ventilation.
Personal protective equipment:	Wear chemical-resistant gloves, safety glasses, lab coat.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to off-white solid.
Odor:	Odorless.
Melting point / Melting range:	Undetermined.
Boiling point / Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Product is not flammable.
Danger of explosion:	Product does not present an explosion hazard.
Density:	Not determined.
Solubility in / Miscibility with water:	Slightly soluble.

SECTION 9: STABILITY AND REACTIVITY

Chemical stability:	The product is stable when stored in the fridge (4°C).
Thermal decomposition /conditions to be avoided:	No decomposition if used according to specifications.
Dangerous reaction:	No dangerous reactions known.
Dangerous decomposition products:	No dangerous decomposition products known.

SECTION 10: TOXICOLOGICAL INFORMATION

Health effects from the likely routes of exposure (eye, skin, inhalation, ingestion):

Acute toxicity:	The product is stable when stored in the fridge (4°C).
-----------------	--

LD/LC50 values relevant:	Unknown.
--------------------------	----------

Primary irritant effect:

On the skin:	Unknown.
--------------	----------

On the eye:	Unknown.
-------------	----------

Sensitization:	Unknown.
----------------	----------

SECTION 11: ECOLOGICAL INFORMATION

Ecotoxicity:	Not available.
--------------	----------------

Persistence and degradability:	Not available.
--------------------------------	----------------

SECTION 12: DISPOSAL CONSIDERATIONS

Disposal methods and containers: Dispose of small quantities in waste water. Disposal should be in accordance with Federal, Provincial /State and Local Laws and regulations. Special precautions for landfill or incineration: Not regarded as hazardous waste.

SECTION 13: TRANSPORT INFORMATION

UN Number:	Not available.
------------	----------------

UN Proper Shipping Name:	Not available.
--------------------------	----------------

Class and subsidiary risk:	Not available.
----------------------------	----------------

Packing Group:	Not available.
Special precautions for user:	Not required.
Hazchem Code:	Not available.

SECTION 14: REGULATORY INFORMATION

Australia: This product is not classified under relevant Australian health, safety and environmental legislation.

Europe: This product is not classified according to EU regulations. Classification has been performed according to EU directives 1999/45/EC and 67/548/EEC.

U.S. Federal Regulations:

TSCA: No products were found.

SARA: 302/304/311/312 extremely hazardous substances: No products were found.

SARA: 302/304 emergency planning and notification. No products were found.

SARA: 302/304/311/312 hazardous chemicals. No products were found.

SARA: 311/312. MSDS distribution-chemical inventory-hazard identification. No products were found.

Clean Water Act (CWA) 307/311: No products were found.

Clean Air Act (CAA) 112: Accidental release prevention: No products were found.

Clean Air Act (CAA) 112: Regulated flammable substances: No products were found.

Clean Air Act (CAA) 112: Regulated toxic substances No products were found.

WHMIS (Canada) Not controlled under.

WHMIS (Canada): No products were found.

SECTION 15: OTHER INFORMATION

Disclaimer: The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. SYNkinase makes no guarantee or representation, either expressed or implied, as to the accuracy or completeness of such information. The information given is designed as a guidance for safe handling, use, processing, storage, transportation, disposal or release only.