

Material Safety Data Sheet

PI3K Inhibitor Kit Catalog No. K1010

1. Identification of substance:

Manufacturer/Supplier: Selleck Chemicals
 2626 South Loop West, Suite 225, Houston, TX 77054 USA
 Toll Free: (877)796-6397 (US and Canada only)
 Tel: +1-832-582-8158
 Fax: +1-832-582-8590

Product name: PI3K Inhibitor Kit
Revision Date: Oct 18, 2010

2. Composition/data on components:

| Trade name | Product Number | Chemical Name | Synonyms | Hazardous Ingredient | CAS Registry Number: | Molecular Weight | Molecular Formula |
|--|----------------|--|----------|------------------------|--|------------------|--|
| BEZ235 (NVP-BEZ235) | S1009 | 2-methyl-2-(4-(3-methyl-2-oxo-8-(quinolin-3-yl)-2,3-dihydroimidazo[4,5-c]quinolin-1-yl)phenyl)propanenitrile | N/A | BEZ235 (NVP-BEZ235) | 915019-65-7, 1028385-32-1 (4-methylbenzenesulfonate) | 469.55 | C ₃₀ H ₂₃ N ₅ O |
| A66 | S2636 | (2S)-N1-(5-(2-tert-butylthiazol-4-yl)-4-methylthiazol-2-yl)pyrrolidine-1,2-dicarboxamide | N/A | A66 | 1166227-08-2 | 393.53 | C ₁₇ H ₂₃ N ₅ O ₂ S ₂ |
| TGX-221 | S1169 | 7-methyl-2-morpholino-9-(1-(phenylamino)ethyl)-4H-pyrido[1,2-a]pyrimidin-4-one | N/A | TGX-221 | 663619-89-4 | 364.44 | C ₂₁ H ₂₄ N ₄ O ₂ |
| AS-605240 | S1410 | (Z)-5-(quinoxalin-6-ylmethylene)thiazolidine-2,4-dione | N/A | AS-605240 | 648450-29-7 | 257.27 | C ₁₂ H ₇ N ₃ O ₂ S |
| CAL-101 (GS-1101) | S2226 | (S)-2-(1-(9H-purin-6-ylamino)propyl)-5-fluoro-3-phenylquinazolin-4(3H)-one | CAL101 | CAL-101 (GS-1101) | 870281-82-6 | 415.42 | C ₂₂ H ₁₈ N ₇ O |
| PI-103 | S1038 | Phenol, 3-[4-(4-morpholinyl)pyrido[3',2':4,5]furo[3,2-d]pyrimidin-2-yl]- | N/A | PI-103 | 371935-74-9, 371935-79-4 (HCl) | 348.36 | C ₁₉ H ₁₆ N ₄ O ₃ |
| 3-Methyladenine | S2767 | 3-methyl-3H-purin-6-amine | 3-MA | 3-Methyladenine | 5142-23-4, 80681-18-1(HCl) | 149.15 | C ₆ H ₇ N ₅ |

3. Hazards identification:

Hazard Description:

Toxic. Contains a pharmaceutically active ingredient.
 Handling should only be performed by personnel trained and familiar with handling of potent active pharmaceutical ingredients
 Moderate to severe irritant to the skin and eyes

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 and 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: emits toxic fumes 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 inhalation and 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:

Solubility in / Miscibility with water: <1

Solvent content: none

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#:

- **Acute toxicity:** none known
- **Primary irritant effect:** not known
- **On the skin:** none known
- **On the eye:** not known; may be an irritant

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:

- 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 protective clothing, gloves and eye/face protection
- R28: Very toxic if swallowed
- R38: Irritating to skin
- R41: Risk of serious damages to eyes
- R48: Toxic; danger of serious damage to health by prolonged exposure
-  **R62: Possible risk of impaired fertility**
-  **R63: Possible risk of harm to unborn child**

16. Other information:

The above information is believed to be correct based on our present knowledge but does not purport to be complete. For research use only by trained personnel. The burden of safe use of this material rests entirely with the user. SELLECK CHEMICALS disclaims all liability for any damage resulting from use of this material.