

BGG463

Chemical Properties

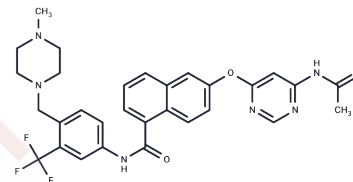
CAS No. : 890129-26-7

Formula: C₃₀H₂₉F₃N₆O₃

Molecular Weight: 578.58

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	BGG463 (K 0859) can inhibit c-ABL-T334I, BCR-ABL and BCR-ABL-T315I variants with a 50% inhibitory concentration (IC ₅₀) of 0.25 μM, 0.09 μM and 0.590 μM, respectively.
Targets(IC ₅₀)	Bcr-Abl, CDK

Solubility Information

Solubility	DMSO: 125 mg/mL (216.05 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (6.91 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7284 mL	8.6418 mL	17.2837 mL
5 mM	0.3457 mL	1.7284 mL	3.4567 mL
10 mM	0.1728 mL	0.8642 mL	1.7284 mL
50 mM	0.0346 mL	0.1728 mL	0.3457 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Alexander LT, et al. Type II Inhibitors Targeting CDK2. ACS Chem Biol. 2015 Sep 18;10(9):2116-25.

Jiang L, Yu Y, Li Z, et al. BMS-265246, a Cyclin-Dependent Kinase Inhibitor, Inhibits the Infection of Herpes Simplex Virus Type 1. Viruses. 2023, 15(8): 1642.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481