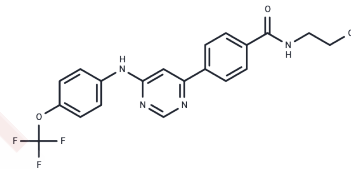


Multi-kinase inhibitor 1

Chemical Properties

CAS No. :	778274-97-8
Formula:	C ₂₀ H ₁₇ F ₃ N ₄ O ₃
Molecular Weight:	418.37
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	Multi-kinase inhibitor 1 (Multi-kinase inhibitor I) is a Multi-kinase inhibitor.
Targets(IC50)	Bcr-Abl,c-Kit,PDGFR

Solubility Information

Solubility	DMSO: 55 mg/mL (131.46 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: 2 mg/mL (4.78 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	2.3902 mL	11.9511 mL	23.9023 mL
5 mM	0.478 mL	2.3902 mL	4.7805 mL
10 mM	0.239 mL	1.1951 mL	2.3902 mL
50 mM	0.0478 mL	0.239 mL	0.478 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

- Chang Hsu Y, et al. Discovery of BPR1K871, a quinazoline based, multi-kinase inhibitor for the treatment of AML and solid tumors: Rational design, synthesis, in vitro and in vivo evaluation. *Oncotarget*. 2016 Nov 15
- García-Vilas JA, et al. The noni anthraquinone damnacanthal is a multi-kinase inhibitor with potent anti-angiogenic effects. *Cancer Lett*. 2017 Jan 28;385:1-11
- Li Y, et al. The molecular mechanisms of a novel multi-kinase inhibitor ZLJ33 in suppressing pancreatic cancer growth. *Cancer Lett*. 2015 Jan 28;356(2 Pt B):392-403

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