

B-Raf IN 2

Chemical Properties

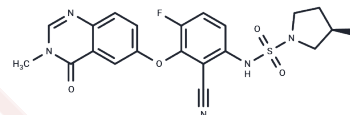
CAS No. : 2649372-20-1

Formula: C₂₀H₁₇F₂N₅O₄S

Molecular Weight: 461.44

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	B-Raf IN 2, compound Ia, is a highly effective and specific inhibitor of BRAF. It exhibits significant potential for cancer research.
Targets(IC50)	Raf
In vitro	B-Raf IN 2 demonstrates significantly reduced paradoxical activation of the MAPK signaling pathway while maintaining high efficacy [1].

Solubility Information

Solubility	DMSO: 90 mg/mL (195.04 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (7.15 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	2.1671 mL	10.8356 mL	21.6713 mL
5 mM	0.4334 mL	2.1671 mL	4.3343 mL
10 mM	0.2167 mL	1.0836 mL	2.1671 mL
50 mM	0.0433 mL	0.2167 mL	0.4334 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

Dolente C, et, al. New methylquinazolinone derivatives. WO2021116055A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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