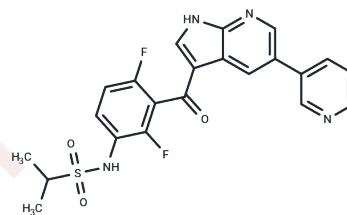


BRAf inhibitor

Chemical Properties

CAS No. :	918505-61-0
Formula:	C ₂₂ H ₁₈ F ₂ N ₄ O ₃ S
Molecular Weight:	456.47
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	BRAF inhibitor is an inhibitor of B-Raf.
Targets(IC50)	Raf

Solubility Information

Solubility	DMSO: 75 mg/mL (164.3 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 (4.38 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	2.1907 mL	10.9536 mL	21.9072 mL
5 mM	0.4381 mL	2.1907 mL	4.3814 mL
10 mM	0.2191 mL	1.0954 mL	2.1907 mL
50 mM	0.0438 mL	0.2191 mL	0.4381 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

Prahbha N. Ibrahim, et al. Pyrrolo[2,3-b] pyridine derivatives as protein kinase inhibitors. WO2007002325A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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