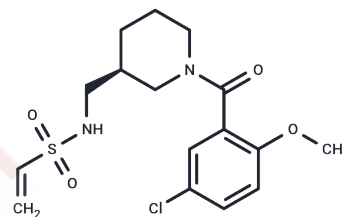


Kras4B G12D-IN-1

Chemical Properties

CAS No. :	2042365-85-3
Formula:	C ₁₆ H ₂₁ ClN ₂ O ₄ S
Molecular Weight:	372.87
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Kras4B G12D-IN-1 is an anticancer agent that functions as an inhibitor of the Kras4B G12D protein. It effectively reduces the expression of Kras protein in mouse embryonic fibroblasts (MEFs) harboring the Kras4B G12D mutation[1].
Targets(IC50)	Ras,Kras

Solubility Information

Solubility	DMSO: 80 mg/mL (214.55 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: 3.3 mg/mL (8.85 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	2.6819 mL	13.4095 mL	26.819 mL
5 mM	0.5364 mL	2.6819 mL	5.3638 mL
10 mM	0.2682 mL	1.3409 mL	2.6819 mL
50 mM	0.0536 mL	0.2682 mL	0.5364 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

Frank McCormick, et al. K-ras modulators. WO2016179558A.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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