

KER047

Chemical Properties

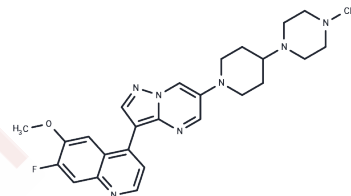
CAS No. : 2248154-85-8

Formula: C₂₆H₃₀FN₇O

Molecular Weight: 475.56

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	KER047 (ALK2-IN-4) is an ALK2 inhibitor with potential anticancer activity and can be used in the study of non-small cell lung cancer.
Targets(IC50)	ALK,TGF-beta/Smad

Solubility Information

Solubility	DMSO: 4.67 mg/mL (9.82 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 0.47 mg/mL (0.99 mM), Solution. <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	2.1028 mL	10.5139 mL	21.0278 mL
5 mM	0.4206 mL	2.1028 mL	4.2056 mL
10 mM	0.2103 mL	1.0514 mL	2.1028 mL
50 mM	0.0421 mL	0.2103 mL	0.4206 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

Sarah Bethune, et al. Crystal forms of an alk2 inhibitor. WO2020086963A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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