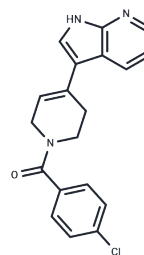


ERK5-IN-5

Chemical Properties

CAS No. :	2318792-30-0
Formula:	C ₁₉ H ₁₆ ClN ₃ O
Molecular Weight:	337.8
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	ERK5-IN-5 is a potent extracellular signal-regulated kinase 5 (ERK5) inhibitor with anticancer activity and potential anticonvulsant activity that inhibits A549 cell proliferation.
Targets(IC50)	ERK

Solubility Information

Solubility	DMSO: 55 mg/mL (162.82 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 (5.92 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	2.9603 mL	14.8017 mL	29.6033 mL
5 mM	0.5921 mL	2.9603 mL	5.9207 mL
10 mM	0.296 mL	1.4802 mL	2.9603 mL
50 mM	0.0592 mL	0.296 mL	0.5921 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

Qin Zhang, et al. Design, synthesis and SAR of novel 7-azaindole derivatives as potential Erk5 kinase inhibitor with anticancer activity. Bioorg Med Chem. 2023 Oct 14:95:117503.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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