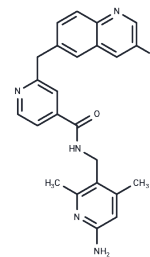


LSP-249

Chemical Properties

CAS No. :	1801253-04-2
Formula:	C ₂₄ H ₂₂ ClN ₅ O
Molecular Weight:	431.92
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	LSP-249 is a plasma kallikrein inhibitor under the study for angioedema, with an EC ₅₀ less than 100 nM in cell.
Targets(IC ₅₀)	Others,Serine Protease

Solubility Information

Solubility	DMSO: 31.25 mg/mL (72.35 mM),Sonication and heating to 60°C are 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 (4.63 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	2.3152 mL	11.5762 mL	23.1524 mL
5 mM	0.463 mL	2.3152 mL	4.6305 mL
10 mM	0.2315 mL	1.1576 mL	2.3152 mL
50 mM	0.0463 mL	0.2315 mL	0.463 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

Andrew Mcdonald, et al. Therapeutic inhibitory compounds. Patent. WO2016011209A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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