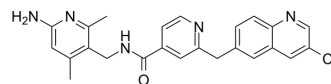


LSP-249

Cat. No.:	HY-126378		
CAS No.:	1801253-04-2		
Molecular Formula:	C ₂₄ H ₂₂ ClN ₅ O		
Molecular Weight:	431.92		
Target:	Ser/Thr Protease		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 31.25 mg/mL (72.35 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3152 mL	11.5762 mL	23.1524 mL
		5 mM	0.4630 mL	2.3152 mL	4.6305 mL
10 mM		0.2315 mL	1.1576 mL	2.3152 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.82 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.08 mg/mL (4.82 mM); Suspended solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.82 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	LSP-249 (example 35), extracted from patent WO2016011209A1, is a plasma kallikrein inhibitor under the study for angioedema, with an EC ₅₀ less than 100 nM in cell ^[1] .
IC ₅₀ & Target	EC ₅₀ < 100 nM (kallikrein in cell) ^[1] .

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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