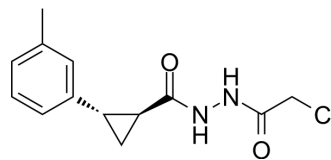


LN5P45

Cat. No.:	HY-149482		
Molecular Formula:	C ₁₃ H ₁₅ ClN ₂ O ₂		
Molecular Weight:	266.72		
Target:	Cathepsin		
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 : 100 mg/mL (374.93 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	3.7493 mL	18.7463 mL	37.4925 mL
			5 mM	0.7499 mL	3.7492 mL	7.4985 mL
			10 mM	0.3749 mL	1.8746 mL	3.7492 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (9.37 mM); Suspended solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	LN5P45 is an OTUB2 inhibitor (IC ₅₀ : 2.3 μM). LN5P45 induces monoubiquitination of OTUB2 on lysine 31. LN5P45 can be used for research of tumor progression and metastasis ^[1] .
IC ₅₀ & Target	2.3 μM (OTUB2) ^[1]

REFERENCES

[1]. Gan J, et al. Cellular Validation of a Chemically Improved Inhibitor Identifies Monoubiquitination on OTUB2. ACS Chem Biol. 2023 Aug 29.

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

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