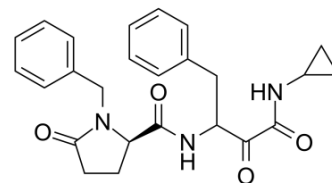


Alicapistat

Cat. No.:	HY-109001		
CAS No.:	1254698-46-8		
Molecular Formula:	C ₂₅ H ₂₇ N ₃ O ₄		
Molecular Weight:	433.5		
Target:	Proteasome		
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 : 8.33 mg/mL (19.22 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.3068 mL	11.5340 mL	23.0681 mL
	5 mM	0.4614 mL	2.3068 mL	4.6136 mL
	10 mM	0.2307 mL	1.1534 mL	2.3068 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Alicapistat (ABT-957) is an orally active selective inhibitor of human calpains 1 and 2 for the potential use in the treatment of Alzheimer's disease (AD).

IC₅₀ & Target

Human calpains 1, 2^[1].

REFERENCES

[1]. Lon HK, et al. Pharmacokinetics, Safety, Tolerability, and Pharmacodynamics of Alicapistat, a Selective Inhibitor of Human Calpains 1 and 2 for the Treatment of Alzheimer Disease: An Overview of Phase 1 Studies. Clin Pharmacol Drug Dev. 2018 Jul 27.

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

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