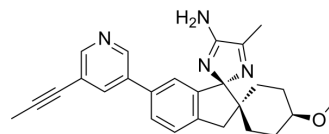


(1 α ,1'S,4 β)-Lanabecestat

Cat. No.:	HY-100740C		
CAS No.:	1384082-96-5		
Molecular Formula:	C ₂₆ H ₂₈ N ₄ O		
Molecular Weight:	412.53		
Target:	Beta-secretase		
Pathway:	Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (606.02 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.4241 mL	12.1203 mL	24.2407 mL
		5 mM	0.4848 mL	2.4241 mL	4.8481 mL
10 mM		0.2424 mL	1.2120 mL	2.4241 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: ≥ 2.17 mg/mL (5.26 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	(1 α ,1'S,4 β)-Lanabecestat ((1 α ,1'S,4 β)-AZD3293) a less active enantiomer of Lanabecestat. Lanabecestat is a potent, orally active and blood-brain barrier penetrating BACE1 inhibitor with a K _i of 0.4 nM ^[1] .
IC₅₀ & Target	BACE1

REFERENCES

[1]. Eketjäll S, et al. AZD3293: A Novel, Orally Active BACE1 Inhibitor with High Potency and Permeability and Markedly Slow Off-Rate Kinetics. J Alzheimers Dis. 2016;50(4):1109-23.

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

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