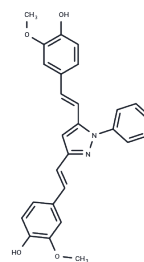


CNB-001

Chemical Properties

CAS No. : 1019110-87-2
 Formula: C₂₇H₂₄N₂O₄
 Molecular Weight: 440.49
 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	CNB-001 is a potent inhibitor of 5-lipoxygenase (5-LOX) that reduces 5-LOX expression while enhancing proteasome activity. It also increases phosphorylation of eIF2 α and levels of HSP90 and ATF4 in Alzheimer's disease transgenic mice, thereby limiting soluble A β and ubiquitinated aggregated protein accumulation. Additionally, CNB-001 maintains synapse-associated protein expression and improves memory, making it a valuable compound for Alzheimer's disease research [1].
Targets(IC50)	Lipoxygenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2702 mL	11.351 mL	22.702 mL
5 mM	0.454 mL	2.2702 mL	4.5404 mL
10 mM	0.227 mL	1.1351 mL	2.2702 mL
50 mM	0.0454 mL	0.227 mL	0.454 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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