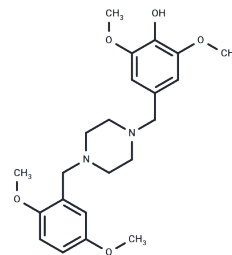


α -Synuclein-IN-17

Chemical Properties

CAS No. :	676458-63-2
Formula:	C22H30N2O5
Molecular Weight:	402.48
Storage:	Keep away from moisture, Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	α -Synuclein-IN-17 (Compound 10) is a selective α -synuclein inhibitor (IC ₅₀ =9 μ M) that suppresses in vitro assembly and LBD brain tissue amplification of α -synuclein fibrils, applicable for studying Parkinson's disease and Lewy body disease.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 3.00 mg/mL (7.45 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4846 mL	12.423 mL	24.846 mL
5 mM	0.4969 mL	2.4846 mL	4.9692 mL
10 mM	0.2485 mL	1.2423 mL	2.4846 mL
50 mM	0.0497 mL	0.2485 mL	0.4969 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.

Reference

Hwang H, et al. Identification of small molecule dimethoxyphenyl piperazine inhibitors of alpha-synuclein fibril growth. Sci Rep. 2025 Sep 26;15(1):33108.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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