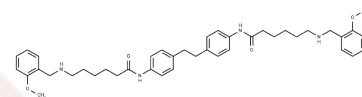


MAO-IN-3

Chemical Properties

CAS No. :	797805-26-6
Formula:	C42H54N4O4
Molecular Weight:	678.9
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	MAO-IN-3 (Compound 5), a reversible and competitive monoamine oxidase (MAO) inhibitor with inhibition constants (K_i) of 0.6 μM for MAO A and 0.2 μM for MAO B, effectively suppresses LN-229 glioblastoma cell proliferation, as denoted by an inhibitory concentration (IC_{50}) of 0.8 μM . This compound holds potential application in cancer research [1].
Targets(IC_{50})	Monoamine Oxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.473 mL	7.3649 mL	14.7297 mL
5 mM	0.2946 mL	1.473 mL	2.9459 mL
10 mM	0.1473 mL	0.7365 mL	1.473 mL
50 mM	0.0295 mL	0.1473 mL	0.2946 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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