

Muscarinic toxin 3

Chemical Properties

CAS No. :	873336-87-9
Formula:	C319H489N89O97S8
Molecular Weight:	7379.35
Storage:	Keep away from moisture 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	Muscarinic toxin 3 (MT3), a potent non-competitive antagonist of mAChR and adrenoceptors, exhibits pIC50 values of 6.71 for M1, 8.79 for M4, 8.86 for α 1A, 7.57 for α 1B, 8.13 for α 1D, 8.49 for α 2A, <6.5 for α 2B, and 7.29 for α 2C receptors. MT3 notably demonstrates significant adrenoceptor activity [1].
Targets(IC50)	Adrenergic Receptor,AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1355 mL	0.6776 mL	1.3551 mL
5 mM	0.0271 mL	0.1355 mL	0.271 mL
10 mM	0.0136 mL	0.0678 mL	0.1355 mL
50 mM	0.0027 mL	0.0136 mL	0.0271 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.

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