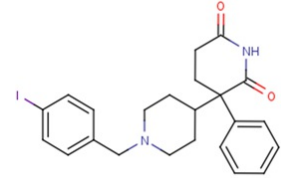


Data Sheet (Cat.No.T5476)

mAChr-in-1

Chemical Properties

CAS No.:	119391-56-9
Formula:	C ₂₃ H ₂₅ IN ₂ O ₂
Molecular Weight:	488.37
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	mAChR-IN-1 is muscarinic cholinergic receptor(mAChR) antagonist (IC ₅₀ =17 nM).
Targets(IC ₅₀)	mAChR: 17 nM

Solubility Information

Solubility	DMSO: 52 mg/mL (106.48 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.048 mL	10.238 mL	20.476 mL
5 mM	0.41 mL	2.048 mL	4.095 mL
10 mM	0.205 mL	1.024 mL	2.048 mL
50 mM	0.041 mL	0.205 mL	0.41 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Wilson AA, et al. Synthesis and biological evaluation of [125I]- and [123I]-4-iododexetimide, a potent muscarinic cholinergic receptor antagonist. J Med Chem. 1989 May;32(5):1057-62.

Inhibitors · Natural Compounds · Compound Libraries

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