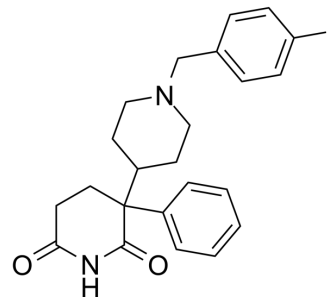


mAChR-IN-1

Cat. No.:	HY-12426		
CAS No.:	119391-56-9		
Molecular Formula:	C ₂₃ H ₂₅ IN ₂ O ₂		
Molecular Weight:	488.36		
Target:	mAChR		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 52 mg/mL (106.48 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0477 mL	10.2383 mL	20.4767 mL
	5 mM	0.4095 mL	2.0477 mL	4.0953 mL
	10 mM	0.2048 mL	1.0238 mL	2.0477 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

mAChR-IN-1 is a potent muscarinic cholinergic receptor (mAChR) antagonist, with an IC₅₀ of 17 nM^[1].

REFERENCES

[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.

Caution: Product has not been fully validated for medical applications. For research use only.

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