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**Product Data Sheet**

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Product Name: mAChR-IN-1

Cat. No.: GC36523

**Chemical Properties**

Cas. No. 119391-56-9

SMILES O=C(C(C1CCN(CC2=CC=C(I)C=C2)CC1)(C3=CC=CC=C3)CC4)NC4=OFormula C<sub>23</sub>H<sub>25</sub>IN<sub>2</sub>O<sub>2</sub>

M.Wt 488.36

Solubility DMSO: ≥ 52 mg/mL (106.48 mM)

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

mAChR-IN-1 is a potent muscarinic cholinergic receptor(mAChR) antagonist with IC<sub>50</sub> of 17 nM.

[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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