

Product Data Sheet

Product Name: mAChR-IN-1 hydrochloride

Cat. No.: GC36524

Chemical Properties

Cas. No. 119391-73-0

SMILES O=C(C(C1CCN(CC2=CC=C(I)C=C2)CC1)(C3=CC=CC=C3)CC4)NC4=O.[H]Cl

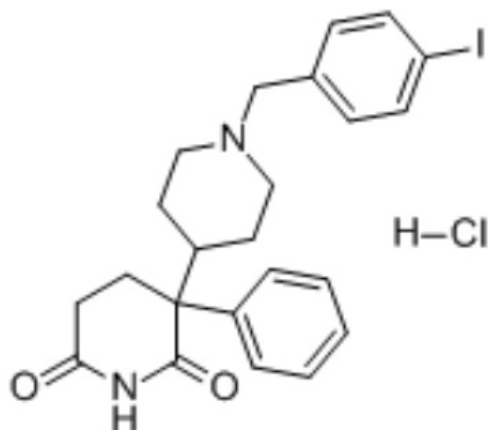
Formula $C_{23}H_{26}ClIN_2O_2$ M.Wt 524.82

Solubility DMSO: 65 mg/mL (123.85 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 hydrochloride is a potent muscarinic cholinergic receptor (mAChR) antagonist, with an IC₅₀ of 17 nM[1]. IC₅₀: 17 nM (mAChR)[1].

[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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