
Product Data Sheet

Product Name: Oxotremorine M iodide

Cat. No.: GC38658

Chemical Properties

Cas. No. 3854-04-4

SMILES O=C1N(CC#CC[N+](C)(C)C)CCC1.[I-]Formula $C_{11}H_{19}IN_2O$

M.Wt 322.19

Solubility DMSO: 125 mg/mL (387.97 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**

Oxotremorine M iodide is a potent and selective muscarinic acetylcholine receptor (mAChR) agonist. Oxotremorine M iodide potentiates NMDA receptors by muscarinic receptor dependent and independent mechanisms[1].

[1]. Zwart R, et al. Oxotremorine-M potentiates NMDA receptors by muscarinic receptor dependent and independent mechanisms. Biochem Biophys Res Commun. 2018 Jan 1;495(1):481-486.

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

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