

Product Data Sheet

Product Name: Iperoxo (iodide)

Cat. No.: GC43906

Chemical Properties

Cas. No. 247079-84-1

SMILES C[N+](C)(C)CC#CCOC1=NOCC1.[I-]

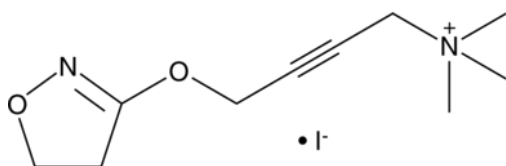
Formula C10H17N2O2•I M.Wt 324.2

Solubility Water: 5 mg/ml (warmed) 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

Iperoxo is an agonist of muscarinic acetylcholine receptors. It stimulates [35S]GTPγS binding to CHO cell membranes expressing human M2 muscarinic receptors and cell membranes expressing M4 muscarinic receptors (EC50s = 2.12 and 8.47 nM, respectively). Iperoxo induces M1-dependent inhibition of the twitch response in electrically-stimulated isolated rabbit vas deferens (pD2 = 9.87) and M3-mediated contraction of isolated guinea pig ileum (pD2 = 9.78). In vivo, iperoxo reduces formalin-induced paw licking and acetic acid-induced writhing in mice (ED50s = 0.004 and 0.001 mg/kg, respectively).

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

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