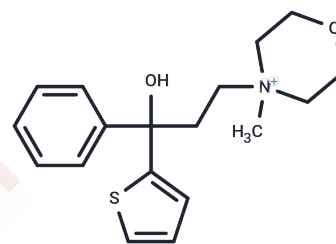


Tiemonium iodide

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 6252-92-2 |
| Formula: | C ₁₈ H ₂₄ NO ₂ S |
| Molecular Weight: | 318.46 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|--|
| Description | Tiemonium iodide is a muscarinic receptor antagonist. It is also an anticholinergic and a parasympatholytic. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.1401 mL | 15.7006 mL | 31.4011 mL |
| 5 mM | 0.628 mL | 3.1401 mL | 6.2802 mL |
| 10 mM | 0.314 mL | 1.5701 mL | 3.1401 mL |
| 50 mM | 0.0628 mL | 0.314 mL | 0.628 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Shang Y, Zhang X, Chen L, Leng W, Lei X, Yang Q, Liang Z, Wang J. Assessment of Left Ventricular Structural Remodelling in Patients with Diabetic Cardiomyopathy by Cardiovascular Magnetic Resonance. *J Diabetes Res.* 2016;2016:4786925. doi: 10.1155/2016/4786925. Epub 2016 Jun 22. PubMed PMID: 27419144; PubMed Central PMCID: PMC4933864.

Guo Y, Liu C, Hu L, Wang X, Alam M, Wang H. An economic method to build a puffing instrument for drug application in vitro. *J Neurosci Methods.* 2015 Dec 30;256:122-6. doi: 10.1016/j.jneumeth.2015.08.032. Epub 2015 Sep 4. PubMed PMID: 26343324.

Biradar DB, Zhou S, Gau HM. Direct asymmetric catalytic thienylaluminum addition to ketones: a concise approach to the synthesis of (S)-tiemonium iodide. *Org Lett.* 2009 Aug 6;11(15):3386-9. doi: 10.1021/ol901193q. PubMed PMID: 19588914.

Klouz A, Zaïem A, Trabelsi S, Loueslati MH, Lakhel M, Belkahia C. Orofacial dyskinesia associated with tiemonium. *Fundam Clin Pharmacol.* 2007 Dec;21(6):657-8. PubMed PMID: 18034667.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481