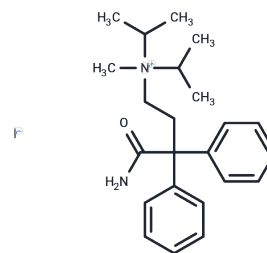


Isopropamide Iodide

Chemical Properties

CAS No. :	71-81-8
Formula:	C ₂₃ H ₃₃ IN ₂ O
Molecular Weight:	480.43
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	Isopropamide iodide is a long-acting anticholinergic drug used for peptic ulcers and other gastrointestinal disorders, and as a muscarinic receptor antagonist for diseases affecting cognition [including Alzheimer's disease].
Targets(IC50)	Others,AChR

Solubility Information

Solubility	Ethanol: 20 mg/mL (41.63 mM),Sonication is recommended. DMSO: 250 mg/mL (520.37 mM),Sonication is recommended. H2O: 8 mg/mL (16.65 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (20.81 mM),Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0815 mL	10.4073 mL	20.8147 mL
5 mM	0.4163 mL	2.0815 mL	4.1629 mL
10 mM	0.2081 mL	1.0407 mL	2.0815 mL
50 mM	0.0416 mL	0.2081 mL	0.4163 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

Fisher A, et al. AF150(S) and AF267B: M1 muscarinic agonists as innovative therapies for Alzheimer's disease. J Mol Neurosci. 2002 Aug-Oct;19(1-2):145-53.

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