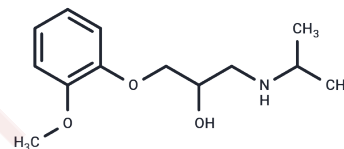


Moprolol

Chemical Properties

CAS No. : 5741-22-0
 Formula: C₁₃H₂₁NO₃
 Molecular Weight: 239.31
 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	Moprolol ((±)-Moprolol) is a beta-adrenergic receptor antagonist used in essential hypertension research [1] [2] [3].
Targets(IC50)	Adrenergic Receptor
In vitro	L-Moprolol is the l-enantiomer of a beta-blocker with low negative inotropic activity and mild intrinsic sympathomimetic activity, effectively utilized in systemic hypertension studies. Topical administration of l-Moprolol in primary open-angle glaucoma (POAG) or ocular hypertension (OHT) models has been shown to lower intraocular pressure (IOP) as effectively as timolol. Due to its lack of activity on bronchial muscles, it has become a promising compound for the inhibition of glaucoma [3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1787 mL	20.8934 mL	41.7868 mL
5 mM	0.8357 mL	4.1787 mL	8.3574 mL
10 mM	0.4179 mL	2.0893 mL	4.1787 mL
50 mM	0.0836 mL	0.4179 mL	0.8357 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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