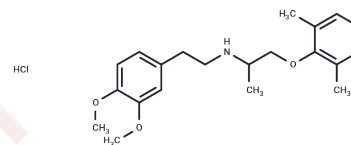


Phenoprolamine Hydrochloride

Chemical Properties

CAS No. :	93933-71-2
Formula:	C ₂₁ H ₃₀ ClNO ₃
Molecular Weight:	379.92
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	Phenoprolamine Hydrochloride is an adrenergic α 1 receptor antagonist with potent antihypertensive, neuroprotective and cardioprotective effects. Phenoprolamine Hydrochloride inhibits CYP2D and CYP3A activities and down-regulates their mRNA transcription and protein expression. Phenoprolamine Hydrochloride can efficiently penetrate through blood brain barrier and inhibit the contraction of vascular smooth muscle in the brain.
Targets(IC50)	Others, Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6321 mL	13.1607 mL	26.3213 mL
5 mM	0.5264 mL	2.6321 mL	5.2643 mL
10 mM	0.2632 mL	1.3161 mL	2.6321 mL
50 mM	0.0526 mL	0.2632 mL	0.5264 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

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Ding L, Zhang ZX, Ni PZ, Wang GJ, An DK. [Study on the phase II metabolites of phenoprolamine hydrochloride in rat bile by LC/DAD/MSD]. Yao Xue Xue Bao. 2001 Jun;36(6):440-3. Chinese. PubMed PMID: 12585129.

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