

Butidrine

Chemical Properties

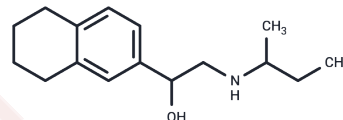
CAS No. : 7433-10-5

Formula: C₁₆H₂₅NO

Molecular Weight: 247.38

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	Butidrine has an Antiarrhythmic activities.
Targets(IC50)	Others,Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0424 mL	20.2118 mL	40.4236 mL
5 mM	0.8085 mL	4.0424 mL	8.0847 mL
10 mM	0.4042 mL	2.0212 mL	4.0424 mL
50 mM	0.0808 mL	0.4042 mL	0.8085 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

Bonomi L, Perfetti S, Noya E, Bellucci R, Massa F. Comparison of the effects of nine beta-adrenergic blocking agents on intraocular pressure in rabbits. *Albrecht Von Graefes Arch Klin Exp Ophthalmol.* 1979 Mar 5;210(1):1-8. PubMed PMID: 35031.

Truelove JF, van Petten GR, Willes RF. Action of several -adrenoceptor blocking drugs in the pregnant sheep and foetus. *Br J Pharmacol.* 1973 Jan;47(1):161-71. PubMed PMID: 4146153; PubMed Central PMCID: PMC1776527.

Musso E, Taccardi B. [Modifications of the electric activity of the guinea pig myocardial fiber induced by 4 stereoisomers of butidrine, a new compound with adrenergic beta receptor blockading action]. *Arch Int Pharmacodyn Ther.* 1970 Jan;183(1):173-89. Italian. PubMed PMID: 4392359.

Rossano C, Romoli M, Brunoizzi LT, Monti GB, Pavoni P. [Antiarrhythmic effect of butidrine: experimental study on arrhythmias induced by N-adrenaline in halothane anesthesia]. *Acta Anaesthesiol.* 1969 Jul-Aug;20(4):663-700. Italian. PubMed PMID: 4397385.

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