

Lotucaine

Chemical Properties

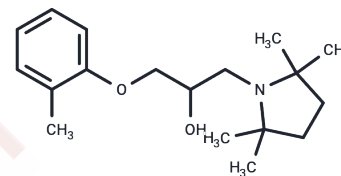
CAS No. : 52304-85-5

Formula: C₁₈H₂₉NO₂

Molecular Weight: 291.43

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	Lotucaine is a local anesthetic.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4314 mL	17.1568 mL	34.3136 mL
5 mM	0.6863 mL	3.4314 mL	6.8627 mL
10 mM	0.3431 mL	1.7157 mL	3.4314 mL
50 mM	0.0686 mL	0.3431 mL	0.6863 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

Corral C, el-Ashmawy MB, Lissavetzky J, Bravo L, Darias V, Martin D. Synthesis and pharmacological evaluation of thiophene analogs of lotucaine. *Farmaco Sci.* 1987 Apr;42(4):267-75. PubMed PMID: 3595838.

Grippaudo G, Lolli R, Monaco B. [Experimental comparison of 2 anesthetics, carbocaine and lotucaine, in dentistry]. *Dent Cadmos.* 1985 Jun 30;53(11):93-6, 99-100. Italian. PubMed PMID: 3867522.

Ferrero E, Manzoni L, Dall'Asta L, Pedrazzoli A. Derivatives of tetramethylated cyclic amines. 3. Optical isomers of lotucaine: physico-chemical characteristics and pharmacological activities. *Arzneimittelforschung.* 1973 Nov;23(11):1596-8. PubMed PMID: 4801667.

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