

RAC 109

Chemical Properties

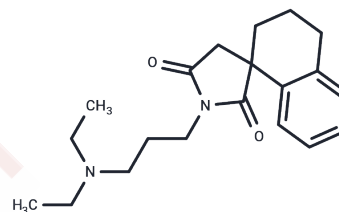
CAS No. : 17592-97-1

Formula: C₂₀H₂₈N₂O₂

Molecular Weight: 328.45

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	RAC 109 is a chiral antiarrhythmic agent.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0446 mL	15.223 mL	30.446 mL
5 mM	0.6089 mL	3.0446 mL	6.0892 mL
10 mM	0.3045 mL	1.5223 mL	3.0446 mL
50 mM	0.0609 mL	0.3045 mL	0.6089 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

Kariya N, Cosson C, Mazoit JX. Comparative effect of lidocaine, bupivacaine and RAC 109 on myocardial conduction and contractility in the rabbit. *Eur J Pharmacol.* 2012 Sep 15;691(1-3):110-7. doi: 10.1016/j.ejphar.2012.05.034. Epub 2012 Jun 8. PubMed PMID: 22683876.

Freedman TB, Long F, Citra M, Nafie LA. Hydrogen-stretching vibrational circular dichroism spectroscopy: absolute configuration and solution conformation of selected pharmaceutical molecules. *Enantiomer.* 1999;4(2):103-19. PubMed PMID: 10483713.

Tiger G, Fowler CJ. Further validation of a simple biochemical method for evaluation of local anesthetic effects at sodium channels. *Methods Find Exp Clin Pharmacol.* 1996 Sep;18(7):431-5. PubMed PMID: 8900214.

Lee-Son S, Wang GK, Concus A, Crill E, Strichartz G. Stereoselective inhibition of neuronal sodium channels by local anesthetics. Evidence for two sites of action? *Anesthesiology.* 1992 Aug;77(2):324-35. PubMed PMID: 1322642.

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