

Alprenolol tartrate, (S)-

Chemical Properties

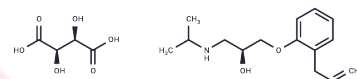
CAS No. : 16768-36-8

Formula: C₁₉H₂₉N₀O₈

Molecular Weight: 399.44

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	Alprenolol tartrate, (S)- is an 5-HT _{1A} antagonist.
Targets(IC ₅₀)	Others,Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5035 mL	12.5175 mL	25.035 mL
5 mM	0.5007 mL	2.5035 mL	5.007 mL
10 mM	0.2504 mL	1.2518 mL	2.5035 mL
50 mM	0.0501 mL	0.2504 mL	0.5007 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

- Tong S, Zheng Y, Yan J, Guan YX, Wu C, Lei W. Preparative enantioseparation of β -blocker drugs by counter-current chromatography using dialkyl L-tartrate as chiral selector based on borate coordination complex. *J Chromatogr A*. 2012 Nov 9;1263:74-83. doi: 10.1016/j.chroma.2012.09.023. Epub 2012 Sep 12. PubMed PMID: 23021635.
- Hedeland M, Nygård M, Isaksson R, Pettersson C. Cellulases from the fungi *Phanerochaete chrysosporium* and *Trichoderma reesei* as chiral selectors in capillary electrophoresis: applications with displacer plugs and sample preconcentration. *Electrophoresis*. 2000 May;21(8):1587-96. PubMed PMID: 10832892.
- Bjorvatn B, Neckelmann D, Ursin R. The 5-HT_{1A} antagonist (-)-alprenolol fails to modify sleep or zimeldine-induced sleep-waking effects in rats. *Pharmacol Biochem Behav*. 1992 May;42(1):49-56. PubMed PMID: 1388278.
- Taouis M, Berlan M, Montastruc P, Lafontan M. Characterization of dog fat cell adrenoceptors: variations in alpha-2 and beta adrenergic receptors distribution according to the extent of the fat deposits and the anatomical location. *J Pharmacol Exp Ther*. 1987 Sep;242(3):1041-9. PubMed PMID: 2821223.

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