

L-Alprenolol

Chemical Properties

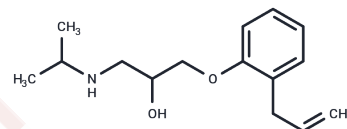
CAS No. : 23846-71-1

Formula: C₁₅H₂₃NO₂

Molecular Weight: 249.35

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	L-Alprenolol is a non-selective beta-blocker and a 5-HT _{1A} and 5-HT _{1B} receptor antagonist.
Targets(IC ₅₀)	Others,Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0104 mL	20.0521 mL	40.1043 mL
5 mM	0.8021 mL	4.0104 mL	8.0209 mL
10 mM	0.401 mL	2.0052 mL	4.0104 mL
50 mM	0.0802 mL	0.401 mL	0.8021 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

- Rao NV, Macchi C, Tortorella C, Ahmad MF, Nussdorfer GG. Neuropeptide Y and glucocorticoid secretion from guinea pig adrenal gland: an in vivo and in vitro study. *Int J Mol Med.* 2007 Sep;20(3):345-9. PubMed PMID: 17671739.
- Andreis PG, Tortorella C, Ziolkowska A, Spinazzi R, Malendowicz LK, Neri G, Nussdorfer GG. Evidence for a paracrine role of endogenous adrenomedullary galanin in the regulation of glucocorticoid secretion in the rat adrenal gland. *Int J Mol Med.* 2007 Mar;19(3):511-5. PubMed PMID: 17273801.
- Hochol A, Tortorella C, Ricinski M, Ziolkowska A, Nussdorfer GG, Malendowicz LK. Effects of neuropeptides B and W on the rat pituitary-adrenocortical axis: in vivo and in vitro studies. *Int J Mol Med.* 2007 Feb;19(2):207-11. PubMed PMID: 17203193.
- Raha D, Tortorella C, Neri G, Prasad A, Raza B, Raskar R, Dubey R, Sen NS, Macchi C, Malendowicz LK, Ahmad MF, Nussdorfer GG. Atrial natriuretic peptide enhances cortisol secretion from guinea-pig adrenal gland: evidence for an indirect paracrine mechanism probably involving the local release of medullary catecholamines. *Int J Mol Med.* 2006 Apr;17(4):633-6. PubMed PMID: 16525720.

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