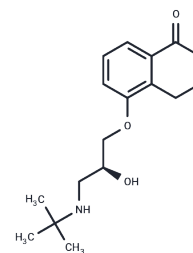


Levobunolol

Chemical Properties

CAS No. :	47141-42-4
Formula:	C ₁₇ H ₂₅ NO ₃
Molecular Weight:	291.39
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	Levobunolol is a nonselective beta-blocker. It is used topically to treat glaucoma.
Targets(IC50)	Others, Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4318 mL	17.1591 mL	34.3183 mL
5 mM	0.6864 mL	3.4318 mL	6.8637 mL
10 mM	0.3432 mL	1.7159 mL	3.4318 mL
50 mM	0.0686 mL	0.3432 mL	0.6864 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

Horcajada-Reales C, Rodríguez-Soria VJ, Suárez-Fernández R. Allergic contact dermatitis caused by timolol with cross-sensitivity to levobunolol. *Contact Dermatitis*. 2015 Dec;73(6):368-9. doi: 10.1111/cod.12448. Epub 2015 Jul 31. PubMed PMID: 26227808.

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Scardillo A, Pugliese M, De Majo M, Niutta PP, Pugliese A. Effects of topical 0.5% levobunolol alone or in association with 2% dorzolamide compared with a fixed combination of 0.5% timolol and 2% dorzolamide on intraocular pressure and heart rate in dogs without glaucoma. *Vet Ther*. 2010 Fall;11(3):E1-6. PubMed PMID: 20960417.

Pugliese M, Scardillo A, Niutta PP, Pugliese A. Comparison of effects of topical levobunolol to a combination of timolol-dorzolamide on intraocular pressure and pulse rate of healthy dogs. *Vet Res Commun*. 2009 Sep;33 Suppl 1:205-7. doi: 10.1007/s11259-009-9273-9. PubMed PMID: 19626454.

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