

Brefonalol HCl

Chemical Properties

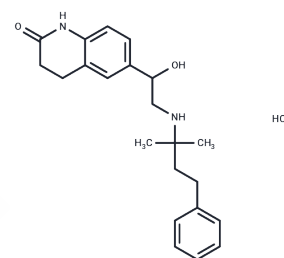
CAS No. :

Formula: C₂₂H₂₉ClN₂O₂

Molecular Weight: 388.93

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	Brefonalol HCl is an ADRA antagonist used in the treatment of neurological disorders and cardiovascular diseases and can be used in the study of angina pectoris, arrhythmias and hypertension.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (128.56 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5712 mL	12.8558 mL	25.7116 mL
5 mM	0.5142 mL	2.5712 mL	5.1423 mL
10 mM	0.2571 mL	1.2856 mL	2.5712 mL
50 mM	0.0514 mL	0.2571 mL	0.5142 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

Neubeck M, et al. Simultaneous determination of (R)- and (S)-brefanolol in human plasma: high-performance liquid chromatographic assay on a chiral stationary phase. Arch Pharm (Weinheim). 1994;327(3):193-196.

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