Data Sheet (Cat.No.T1012)



Acebutolol hydrochloride

Chemical Properties

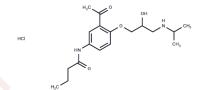
CAS No.: 34381-68-5

Formula: C18H29ClN2O4

Molecular Weight: 372.89

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Acebutolol hydrochloride (Acebutolol HCl) acts as a cardioselective beta-adrenergic antagonist with little effect on bronchial receptors and has intrinsic sympathomimetic properties. Acebutolol hydrochloride is the hydrochloride salt form of acebutolol, a synthetic butyranilide derivative with hypotensive and antiarrhythmic activity. Having stabilizing and quinidine-like effects on cardiac rhythm, Acebutolol hydrochloride is used in ventricular arrhythmias. Other indications include hypertension, alone or in combinations with other agents.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	Ethanol: 70 mg/mL (187.7 mM),	
	H2O: 69 mg/mL (185 mM),	
	DMSO: 50 mg/mL (134.09 mM),	
	(< 1 mg/ml refers to the product slightly soluble or insoluble)	

Preparing Stock Solutions

7.0.	1mg	5mg	10mg
1 mM	2.6818 mL	13.4088 mL	26.8176 mL
5 mM	0.5364 mL	2.6818 mL	5.3635 mL
10 mM	0.2682 mL	1.3409 mL	2.6818 mL
50 mM	0.0536 mL	0.2682 mL	0.5364 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.

Reference

Street JA, et al. Eur J Pharmacol, 1984, 102(2), 315-324. Mauriège P, et al. J Lipid Res, 1988, 29(5), 587-60

Page 1 of 2 www.targetmol.com



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Page 2 of 2 www.targetmol.com