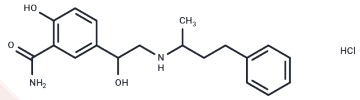
Data Sheet (Cat.No.T0348)

TargetMol

Labetalol hydrochloride

Chemical Properties



CAS No. : 32780-64-6

Formula: C19H25ClN2O3

Molecular Weight: 364.87

Storage: Store at low temperature,Keep away from direct sunlight,Keep away from moisture
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	Labetalol hydrochloride (Sch-15719W), a salicylamide derivative, is a non-cardioselective blocker of β-adrenergic receptors and α1-adrenergic receptors.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	Ethanol: 7 mg/mL (19.18 mM),Sonication is recommended. DMSO: 262.5 mg/mL (719.43 mM),Sonication is recommended. H2O: 8 mg/mL (21.93 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.48 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7407 mL	13.7035 mL	27.407 mL
5 mM	0.5481 mL	2.7407 mL	5.4814 mL
10 mM	0.2741 mL	1.3704 mL	2.7407 mL
50 mM	0.0548 mL	0.2741 mL	0.5481 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

Riva E, et al. Br J Pharmacol. 1991 Dec;104(4):823-8.