Data Sheet (Cat.No.T0735)

TargetMol

Pindolol

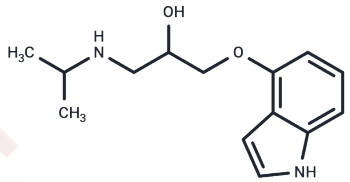
Chemical Properties

CAS No. : 13523-86-9

Formula: C14H20N2O2

Molecular Weight: 248.32

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	Pindolol is an effective, non-selective, and specific beta-receptor blocker that acts as a partial beta-adrenergic receptor agonist and a localized 5-HT1A receptor antagonist (Ki=33nM). Pindolol has intrinsic sympathetic activity (ISA) and is primarily used to treat high blood pressure and certain heart conditions. Exhaustion.
Targets(IC50)	5-HT Receptor,Adrenergic Receptor

Solubility Information

Solubility	DMSO: 201.4 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: 1 mg/mL (4.03 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	4.0271 mL	20.1353 mL	40.2706 mL
5 mM	0.8054 mL	4.0271 mL	8.0541 mL
10 mM	0.4027 mL	2.0135 mL	4.0271 mL
50 mM	0.0805 mL	0.4027 mL	0.8054 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

Joseph SS, et al. Naunyn Schmiedebergs Arch Pharmacol. 2003 Dec;368(6):496-503.

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