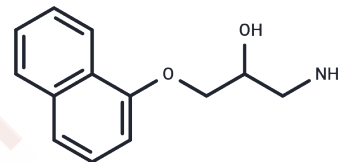


(±)-Desisopropylpropranolol**Chemical Properties**

CAS No. : 20862-11-7
 Formula: C₁₃H₁₅NO₂
 Molecular Weight: 217.26
 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	(±)-Desisopropylpropranolol (N-Desisopropylpropranolol) is a metabolite of Propranolol. Propranolol acts as a non-selective β -adrenergic receptor (β AR) antagonist with high affinity for both β 1AR and β 2AR, having K_i values of 1.8 nM and 0.8 nM, respectively. It inhibits the binding of [³ H]-DHA to rat brain membrane preparations with an IC_{50} of 12 nM. Propranolol is used in studies related to hypertension, pheochromocytoma, myocardial infarction, arrhythmias, angina pectoris, and hypertrophic cardiomyopathy.
Targets(IC_{50})	Adrenergic Receptor, Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6028 mL	23.0139 mL	46.0278 mL
5 mM	0.9206 mL	4.6028 mL	9.2056 mL
10 mM	0.4603 mL	2.3014 mL	4.6028 mL
50 mM	0.0921 mL	0.4603 mL	0.9206 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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