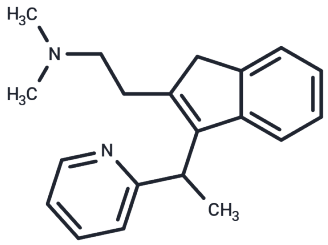
Data Sheet (Cat.No.T31488)

TargetMol
YOUR TARGET MOLECULES

Dimethindene

Chemical Properties



CAS No. : 5636-83-9

Formula: C20H24N2

Molecular Weight: 292.42

Appearance: no data available

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

Biological Description

Description	Dimethindene (Dimetindeno) is a selective antagonist of H1 receptor and blocks K+ current. Dimethindene exhibits antihistamine and anticholinergic effects.
Targets(IC50)	Potassium Channel,Endogenous Metabolite,AChR,Histamine Receptor
In vitro	In follicle-enclosed Xenopus oocytes, Dimethindene (5-500 μM) decreases Cromakalim cromakalim-induced K+ currents (IC50 = 29.5 μM)[1].
In vivo	In C57BL/6 mice with skin wound healing, Dimethindene (0.25 mg; i.p.) impairs cutaneous wound healing and delays skin wound closure[2].

Solubility Information

Solubility	DMSO: 55 mg/mL (188.09 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4197 mL	17.0987 mL	34.1974 mL
5 mM	0.6839 mL	3.4197 mL	6.8395 mL
10 mM	0.342 mL	1.7099 mL	3.4197 mL
50 mM	0.0684 mL	0.342 mL	0.6839 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

Sakuta H. Inhibition by histamine H1 receptor antagonists of endogenous glibenclamide-sensitive K+ channels in follicle-enclosed Xenopus oocytes. Eur J Pharmacol. 1994 Jan 1;266(1):99-102.

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