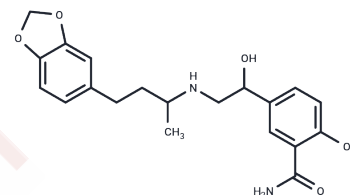


Medroxalol

Chemical Properties

CAS No. :	56290-94-9
Formula:	C ₂₀ H ₂₄ N ₂ O ₅
Molecular Weight:	372.42
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	Medroxalol (RMI81968) is an orally active adrenergic receptor antagonist that blocks both α - and β -adrenergic receptors, producing antihypertensive and vasodilating effects [1].
Targets(IC50)	Others, Adrenergic Receptor
In vitro	Medroxalol, at concentrations ranging from 0.1-10 μ M over a 20-minute incubation period, exhibits antagonistic activity against both α - and β -adrenergic receptors in isolated rabbit aortic strips, as demonstrated by the Cell Viability Assay. Specifically, the assay results reveal pA ₂ values of 6.09 for α -adrenergic receptors and 7.73 for β -adrenergic receptors, indicating its efficacy in blocking these receptor types [1].
In vivo	Medroxalol treatment, administered via oral gavage at dosages of 12.5 to 50 mg/kg once daily for 12 days, demonstrates antihypertensive activity by inducing a dose-dependent decrease in blood pressure in male spontaneously hypertensive rats (SHR) [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6851 mL	13.4257 mL	26.8514 mL
5 mM	0.537 mL	2.6851 mL	5.3703 mL
10 mM	0.2685 mL	1.3426 mL	2.6851 mL
50 mM	0.0537 mL	0.2685 mL	0.537 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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