
Product Data Sheet

Product Name: Medroxalol

Cat. No.: GC65874

Chemical Properties

Cas. No. 56290-94-9

Formula $C_{20}H_{24}N_2O_5$ M.Wt 372.41

Solubility DMSO : 50 mg/mL (134.26 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Medroxalol (RMI81968) is an orally active **adrenergic receptor** antagonist, blocks α - and β -adrenergic receptors. Medroxalol shows antihypertensive and vasodilating effects^[1].

Medroxalol (0.1-10 μ M; 20 min) shows α - and β -adrenergic receptor antagonism in isolated rabbit aortic strip^[1].

Cell Viability Assay^[1]

Cell Line: Isolated rabbit aortic strip

Concentration: 0.1-10 μ M

Incubation Time: 20 min

Result: Showed pA_2 values of 6.09 and 7.73 for α -adrenergic receptors and β -adrenergic receptors, respectively.

Caution: Product has not been fully validated for medical applications. For research use only.

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Medroxalol (oral gavage; 12.5-50 mg/kg; once daily; 12 d) treatment shows antihypertensive activity in spontaneously hypertensive rats^[1].

Animal Model: Male spontaneously hypertensive rats (SHR)^[1]

Dosage: 12.5, 25, or 50 mg/kg

Administration: Oral gavage; 12.5, 25, or 50 mg/kg; once daily; 12 days

Result: Produced a dose-related fall in blood pressure.

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