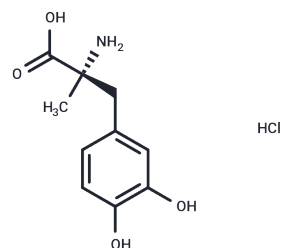


Methyldopa hydrochloride

Chemical Properties

CAS No. :	884-39-9
Formula:	C ₁₀ H ₁₄ ClNO ₄
Molecular Weight:	247.68
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	L-(-)-α-Methyldopa hydrochloride is an alpha-adrenergic agonist psychoactive drug. It is used as a sympatholytic or antihypertensive. Methyldopa has a dual mechanism of action. It is a competitive inhibitor of the enzyme DOPA decarboxylase, which converts L-DOPA into dopamine.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0375 mL	20.1873 mL	40.3747 mL
5 mM	0.8075 mL	4.0375 mL	8.0749 mL
10 mM	0.4037 mL	2.0187 mL	4.0375 mL
50 mM	0.0807 mL	0.4037 mL	0.8075 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

BAILA MR, et al. The use of the combination of L-alpha-methyldopa and dichlorothiazide in the treatment of arterial hypertension. Dia Med. 1962 Dec 6;34:2422-4.

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