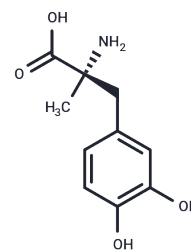


Methyldopa

Chemical Properties

CAS No. :	555-30-6
Formula:	C ₁₀ H ₁₃ NO ₄
Molecular Weight:	211.21
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	Methyldopa (MK-351), an alpha-adrenergic agonist (selective for α_2 -adrenergic receptors) psychoactive medicine, is served as an antihypertensive or sympatholytic.
Targets(IC50)	Endogenous Metabolite, Adrenergic Receptor, Dopamine Receptor

Solubility Information

Solubility	DMSO: 20.83 mg/mL (98.62 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (9.47 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7346 mL	23.6731 mL	47.3462 mL
5 mM	0.9469 mL	4.7346 mL	9.4692 mL
10 mM	0.4735 mL	2.3673 mL	4.7346 mL
50 mM	0.0947 mL	0.4735 mL	0.9469 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.

Reference

Head GA. Ann N Y Acad Sci. 1999 Jun 21;881:279-86.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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