

Amantadine hydrochloride

Chemical Properties

CAS No. :	665-66-7
Formula:	C ₁₀ H ₁₈ ClN
Molecular Weight:	187.71
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year

HCl



Biological Description

Description	Amantadine hydrochloride (CI-719) is an antiviral that is used in the prophylactic or symptomatic treatment of influenza A and Parkinson disease.
Targets(IC50)	Dopamine Receptor, Influenza Virus

Solubility Information

Solubility	Ethanol: 36 mg/mL (191.79 mM), Sonication is recommended. H ₂ O: 35 mg/mL (186.46 mM), Sonication is recommended. DMSO: 45 mg/mL (239.73 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3274 mL	26.6368 mL	53.2737 mL
5 mM	1.0655 mL	5.3274 mL	10.6547 mL
10 mM	0.5327 mL	2.6637 mL	5.3274 mL
50 mM	0.1065 mL	0.5327 mL	1.0655 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

Wallbank AM, et al. Science. 1966 Jun 24;152(3730):1760-1.

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