

## Amantadine

## Chemical Properties

CAS No. :	768-94-5
Formula:	C <sub>10</sub> H <sub>17</sub> N
Molecular Weight:	151.25
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	Amantadine (1-Aminoadamantane) is an antiviral, is a weak antagonist of the NMDA-type glutamate receptor, increases dopamine release, and blocks dopamine reuptake.
Targets(IC50)	Apoptosis,Bcl-2 Family,Others,CDK,Influenza Virus,SARS-CoV,Virus Protease

## Solubility Information

Solubility	DMSO: 22.7 mg/mL (150.08 mM),, when pH is adjusted to 3 with HCl. 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	6.6116 mL	33.0579 mL	66.1157 mL
5 mM	1.3223 mL	6.6116 mL	13.2231 mL
10 mM	0.6612 mL	3.3058 mL	6.6116 mL
50 mM	0.1322 mL	0.6612 mL	1.3223 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

Lim J K , Wooten D , Siegel R , et al. Amantadine in treatment of chronic hepatitis C virus infection?[[J]]. Journal of Viral Hepatitis, 2005, 12(5):445-455.

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