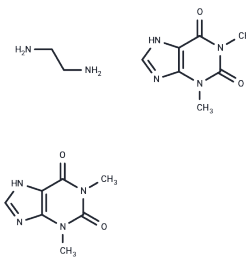


Aminophylline

Chemical Properties

CAS No. :	317-34-0
Formula:	2C7H8O2·C2H8N2
Molecular Weight:	420.43
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	Aminophylline (Phyllocontin) is a competitive nonselective phosphodiesterase inhibitor giving a bronchodilatory effect.
Targets(IC50)	Adenosine Receptor,PDE

Solubility Information

Solubility	H2O: 13.7 mg/mL (32.59 mM),Sonication is recommended. DMSO: 1.14 mg/mL (2.71 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	2.3785 mL	11.8926 mL	23.7852 mL
5 mM	0.4757 mL	2.3785 mL	4.757 mL
10 mM	0.2379 mL	1.1893 mL	2.3785 mL
50 mM	0.0476 mL	0.2379 mL	0.4757 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

Hirota K, et al. Acta Anaesthesiol Scand. 2002 Mar;46(3):297-302.

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