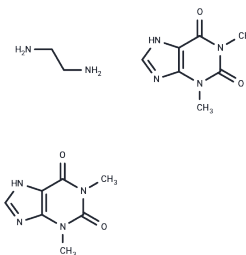


Aminophylline

Chemical Properties

CAS No. :	317-34-0
Formula:	2C ₇ H ₈ O ₂ ·C ₂ H ₈ N ₂
Molecular Weight:	420.43
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Aminophylline (Phyllocontin) is a competitive nonselective phosphodiesterase inhibitor giving a bronchodilatory effect.
Targets(IC50)	Adenosine Receptor,PDE

Solubility Information

Solubility	H ₂ O: 13.7 mg/mL (32.59 mM),Sonication is recommended. DMSO: < 1 mg/mL (insoluble or slightly soluble),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

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.

Reference

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481