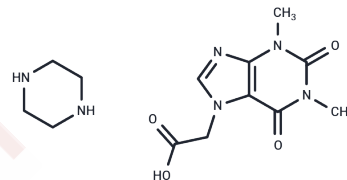


Acefylline piperazine

Chemical Properties

CAS No. :	18833-13-1
Formula:	C ₉ H ₁₀ N ₄ O ₄ .x C ₄ H ₁₀ N ₂
Molecular Weight:	562.54
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	Acefylline piperazine is a stimulant drug of the xanthine chemical class. It acts as an adenosine receptor antagonist. Acephylline piperazine is a theophylline derivative with a direct bronchodilator action. It has the advantages over theophylline in being far less toxic and producing minimal gastric irritation. It is indicated for the treatment of asthma, emphysema, acute and chronic bronchitis associated with bronchospasm. Acefylline relaxes smooth muscles, relieves bronchospasm & has a stimulant effect on respiration. It stimulates the myocardium & central nervous system, decreases peripheral resistance & venous pressure & causes diuresis. The mechanism of action is still not clear, inhibition of phosphodiesterase with a resulting increase in intracellular cyclic AMP does occur, but not apparently at concentrations normally used for clinical effect. Other proposed mechanisms of action include adenosine receptor antagonism, prostaglandin antagonism & effects on intracellular.....
Targets(IC50)	Others,HDAC,Adenosine Receptor,PAD,PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7777 mL	8.8883 mL	17.7765 mL
5 mM	0.3555 mL	1.7777 mL	3.5553 mL
10 mM	0.1778 mL	0.8888 mL	1.7777 mL
50 mM	0.0356 mL	0.1778 mL	0.3555 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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