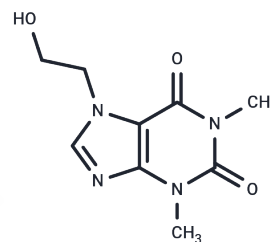


Etofylline

Chemical Properties

CAS No. :	519-37-9
Formula:	C ₉ H ₁₂ N ₄ O ₃
Molecular Weight:	224.22
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	Etofylline (Oxyphylline) is used for difficulty in breathing, asthma, breathing difficulty and other conditions.
Targets(IC50)	Others,PDE

Solubility Information

Solubility	DMSO: 20 mg/mL (89.2 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.92 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4599 mL	22.2995 mL	44.5991 mL
5 mM	0.892 mL	4.4599 mL	8.9198 mL
10 mM	0.446 mL	2.230 mL	4.4599 mL
50 mM	0.0892 mL	0.446 mL	0.892 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

Nirogi RV, et al. J Chromatogr B Analyt Technol Biomed Life Sci. 2007 Apr 1;848(2):271-6.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481