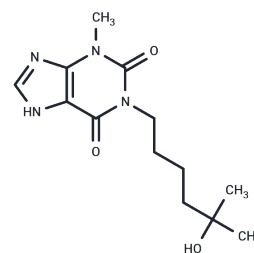


Albifylline

Chemical Properties

CAS No. :	107767-55-5
Formula:	C ₁₃ H ₂₀ N ₄ O ₃
Molecular Weight:	280.32
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	Albifylline is a xanthine derivatives with anti-asthmatic activity. Albifylline may cause a significant reduction of shock-induced leukocyte adhesions to the sinusoidal endothelium in the liver after hemorrhagic shock. Albifylline also improves microvascular blood flow in the liver.
Targets(IC50)	Others,PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5674 mL	17.8368 mL	35.6735 mL
5 mM	0.7135 mL	3.5674 mL	7.1347 mL
10 mM	0.3567 mL	1.7837 mL	3.5674 mL
50 mM	0.0713 mL	0.3567 mL	0.7135 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

Marzi I, Maier M, Herzog C, Bauer M. Influence of pentoxifylline and albiglutin on liver microcirculation and leukocyte adhesion after hemorrhagic shock in the rat. *J Trauma*. 1996 Jan;40(1):90-6. PubMed PMID: 8577006.

Meskini N, Némoz G, Okyayuz-Baklouti I, Lagarde M, Prigent AF. Phosphodiesterase inhibitory profile of some related xanthine derivatives pharmacologically active on the peripheral microcirculation. *Biochem Pharmacol*. 1994 Mar 2;47(5):781-8. PubMed PMID: 8135854.

Sinha B, Semmler J, Eisenhut T, Eigler A, Endres S. Enhanced tumor necrosis factor suppression and cyclic adenosine monophosphate accumulation by combination of phosphodiesterase inhibitors and prostanoids. *Eur J Immunol*. 1995 Jan;25(1):147-53. PubMed PMID: 7843225.

Sinha B, Semmler J, Haen E, Moeller J, Endres S. Radioimmunoassays for cyclic AMP cross-react with phosphodiesterase inhibitors and buffer components. *J Toxicol Methods*. 1995 Sep;34(1):29-36. PubMed PMID: 7496044.

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:34 Washington Street,Wellesley Hills,MA 02481