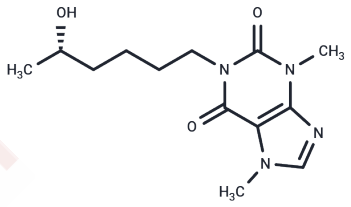
Data Sheet (Cat.No.T22148)

TargetMol

(S)-Lisofylline

Chemical Properties



CAS No. : 100324-80-9

Formula: C13H20N4O3

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	(S)-Lisofylline is the inactive optical enantiomer of (R)-lisofylline which is an anti-inflammatory agent. (S)-Lisofylline is exclusively converted to pentoxifylline in human liver microsomes.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (178.37 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

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

Tasaki O, et al. Effects of heparin and lisofylline on pulmonary function after smoke inhalation injury in an ovine model. Crit Care Med. 2002 Mar;30(3):637-43.

Lillibridge JA, Kalhorn TF, Slattery JT. Metabolism of lisofylline and pentoxifylline in human liver microsomes and cytosol. Drug Metab Dispos. 1996 Nov;24(11):1174-9.

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