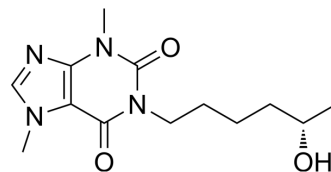


(S)-Lisofylline

Cat. No.:	HY-109854		
CAS No.:	100324-80-9		
Molecular Formula:	C ₁₃ H ₂₀ N ₄ O ₃		
Molecular Weight:	280.32		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (178.37 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

(S)-Lisofylline ((S)-Lisophylline) is a kind of lisofline (LSF) enantiomer with optical activity. (S)-Lisofylline can interconversion with pentoxifylline^{[1][2]}.

In Vitro

(S)-Lisofylline ((S)-Lisophylline) can interconversion with pentoxifylline in human hemolytic erythrocytes^[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

(S)-Lisofylline (50 mg/kg; i.v.; single dose) shows higher content in liver, kidney and lung of mice, but lower in serum^[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Borowiecki P, et al. Chemoenzymatic deracemization of lisofylline catalyzed by a (laccase/TEMPO)-alcohol dehydrogenase system[J]. Catalysis Science & Technology, 2022, 12(13): 4312-4324.

Caution: Product has not been fully validated for medical applications. For research use only.

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