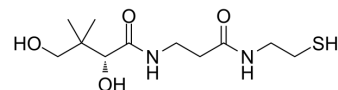


(R)-Pantetheine

Cat. No.:	HY-126050	
CAS No.:	496-65-1	
Molecular Formula:	C ₁₁ H ₂₂ N ₂ O ₄ S	
Molecular Weight:	278.37	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (359.23 mM; Need ultrasonic)
 H₂O : 62.5 mg/mL (224.52 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5923 mL	17.9617 mL	35.9234 mL
	5 mM	0.7185 mL	3.5923 mL	7.1847 mL
	10 mM	0.3592 mL	1.7962 mL	3.5923 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (8.98 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (8.98 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (8.98 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(R)-Pantetheine is the biosynthetic precursor to CoA. (R)-Pantetheine and its corresponding disulfide pantetheine, play a key role in metabolism as a building block of coenzyme A (CoA)^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

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

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