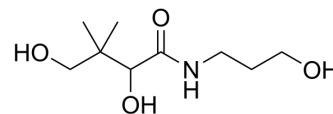


DL-Panthenol

Cat. No.:	HY-B1024		
CAS No.:	16485-10-2		
Molecular Formula:	C ₉ H ₁₉ NO ₄		
Molecular Weight:	205.25		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (487.21 mM; Need ultrasonic)

DMSO : ≥ 46 mg/mL (224.12 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.8721 mL	24.3605 mL	48.7211 mL
	5 mM	0.9744 mL	4.8721 mL	9.7442 mL
	10 mM	0.4872 mL	2.4361 mL	4.8721 mL

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

BIOLOGICAL ACTIVITY

Description

DL-Panthenol (DL-Pantothenol) is an alcohol derivative of pantothenyl acid. DL-Panthenol exerts eyelash protection effect. DL-Panthenol is widely used in the Skin and hair conditioner research^{[1][2]}.

REFERENCES

[1]. Hiroaki Yoshizawa, et al. Coating material for eyelash. JP2001097823A.

[2]. Shanta Modak, et al. Zinc salt compositions for the prevention of dermal and mucosal irritation. US20050281762A1.

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

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