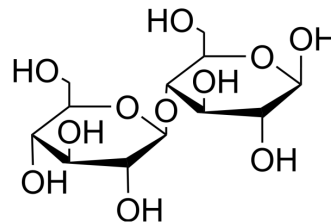


D-(+)-Cellobiose

Cat. No.:	HY-N2325
CAS No.:	528-50-7
Molecular Formula:	C ₁₂ H ₂₂ O ₁₁
Molecular Weight:	342.3
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (146.07 mM; Need ultrasonic)
DMSO : 20 mg/mL (58.43 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.9214 mL	14.6071 mL	29.2141 mL
	5 mM	0.5843 mL	2.9214 mL	5.8428 mL
	10 mM	0.2921 mL	1.4607 mL	2.9214 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 43.33 mg/mL (126.58 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2 mg/mL (5.84 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2 mg/mL (5.84 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2 mg/mL (5.84 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

D-(+)-Cellobiose is an endogenous metabolite.

IC₅₀ & Target

Microbial Metabolite

Human Endogenous Metabolite

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

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