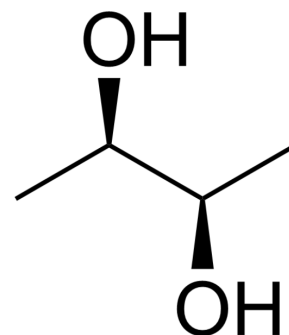


(2R,3R)-Butane-2,3-diol

Cat. No.:	HY-W015954	
CAS No.:	24347-58-8	
Molecular Formula:	C ₄ H ₁₀ O ₂	
Molecular Weight:	90.12	
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 (1109.63 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	11.0963 mL	55.4816 mL	110.9632 mL
		5 mM	2.2193 mL	11.0963 mL	22.1926 mL
	10 mM	1.1096 mL	5.5482 mL	11.0963 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (27.74 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (27.74 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.72 mg/mL (19.09 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	(2R,3R)-Butane-2,3-diol is an endogenous metabolite.
IC ₅₀ & Target	Human Endogenous Metabolite

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

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