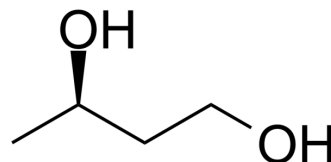


(R)-(-)-1,3-Butanediol

Cat. No.:	HY-77490		
CAS No.:	6290-03-5		
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
		4°C	2 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 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (27.74 mM); Clear solution 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 Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (27.74 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	(R)-(-)-1,3-Butanediol is used to regulate the metabolism of carbohydrate and lipid.
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REFERENCES

[1]. Ari C, et al. Exogenous Ketones Lower Blood Glucose Level in Rested and Exercised Rodent Models. *Nutrients*. 2019 Oct 1;11(10).

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

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