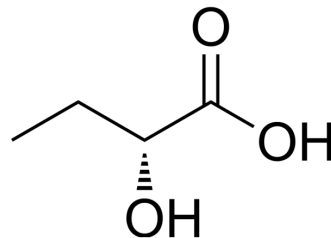


(R)-2-Hydroxybutanoic acid

Cat. No.:	HY-113381A		
CAS No.:	20016-85-7		
Molecular Formula:	C ₄ H ₈ O ₃		
Molecular Weight:	104.1		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (2401.54 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	9.6061 mL	48.0307 mL	96.0615 mL
		5 mM	1.9212 mL	9.6061 mL	19.2123 mL
10 mM		0.9606 mL	4.8031 mL	9.6061 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: ≥ 2.08 mg/mL (19.98 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (19.98 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (19.98 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	(R)-2-Hydroxybutanoic acid is the isomer of 2-Hydroxybutyric acid (HY-113381), and can be used as an experimental control. 2-Hydroxybutyric acid (α-Hydroxybutyric acid) is converted from 2-Aminobutyric acid, with 2-oxobutyric acid as an intermediate metabolite ^[1] .
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REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA