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Produktinformation



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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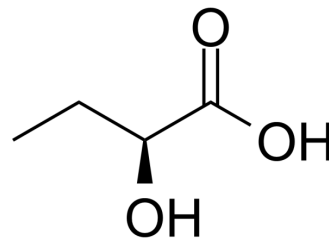
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(S)-2-Hydroxybutanoic acid

Cat. No.:	HY-W018499		
CAS No.:	3347-90-8		
Molecular Formula:	C ₄ H ₈ O ₃		
Molecular Weight:	104.11		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 : 100 mg/mL (960.52 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	9.6052 mL	48.0261 mL	96.0523 mL
		5 mM	1.9210 mL	9.6052 mL	19.2104 mL
10 mM		0.9605 mL	4.8026 mL	9.6052 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 (24.01 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (24.01 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (24.01 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	(S)-2-Hydroxybutanoic acid is the S-enantiomer of 2-Hydroxybutanoic acid. 2-Hydroxybutanoic acid, a coproduct of protein metabolism, is an insulin resistance (IR) biomarker ^[1] .
IC₅₀ & Target	Human Endogenous Metabolite

REFERENCES

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

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