



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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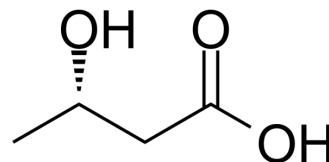
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(S)-3-Hydroxybutanoic acid

Cat. No.:	HY-W050031		
CAS No.:	6168-83-8		
Molecular Formula:	C ₄ H ₈ O ₃		
Molecular Weight:	104.1		
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

H₂O : 100 mg/mL (960.61 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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.

BIOLOGICAL ACTIVITY

Description

(S)-3-Hydroxybutanoic acid is a normal human metabolite, that has been found elevated in geriatric patients remitting from depression. In humans, 3-Hydroxybutyric acid is synthesized in the liver from acetyl-CoA, and can be used as an energy source by the brain when blood glucose is low.

IC₅₀ & Target

Human Endogenous Metabolite

CUSTOMER VALIDATION

- Mol Med Rep. 2019 Dec;20(6):5050-5058.

See more customer validations on www.MedChemExpress.com

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

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