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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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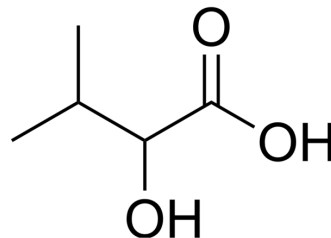
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2-Hydroxy-3-methylbutanoic acid

Cat. No.:	HY-W008150		
CAS No.:	4026-18-0		
Molecular Formula:	C ₅ H ₁₀ O ₃		
Molecular Weight:	118.13		
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 (846.53 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
	Preparing Stock Solutions	1 mM	5 mM	10 mM
		8.4653 mL	42.3263 mL	84.6525 mL
		1.6931 mL	8.4653 mL	16.9305 mL
		0.8465 mL	4.2326 mL	8.4653 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1 mg/mL (8.47 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1 mg/mL (8.47 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	2-Hydroxy-3-methylbutanoic acid is a close structure analogue of GHB, which is a naturally occurring neurotransmitter and a psychoactive agent.
IC₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Pan YM, et al. Improved procedure for the analysis of gamma-hydroxybutyrate and ethylene glycol in whole blood. J Anal Toxicol. 2001 Jul-Aug;25(5):328-32.

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

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