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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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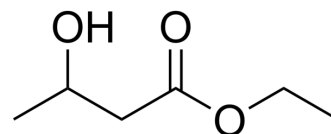
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Ethyl 3-hydroxybutyrate

Cat. No.:	HY-W012701		
CAS No.:	5405-41-4		
Molecular Formula:	C ₆ H ₁₂ O ₃		
Molecular Weight:	132.16		
Target:	Others		
Pathway:	Others		
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 (756.66 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	7.5666 mL	37.8329 mL	75.6659 mL	
		5 mM	1.5133 mL	7.5666 mL	15.1332 mL	
	10 mM	0.7567 mL	3.7833 mL	7.5666 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: ≥ 2.5 mg/mL (18.92 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (18.92 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (18.92 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Ethyl 3-hydroxybutyrate is a fragrance found in wine and <i>Tribolium castaneum</i> ^{[1][2]} .
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REFERENCES

[1]. Ortega C, et al. Fast analysis of important wine volatile compounds development and validation of a new method based on gas chromatographic-flame ionisation detection analysis of dichloromethane microextracts. J Chromatogr A. 2001 Jul 20;923(1-2):205-14.

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

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