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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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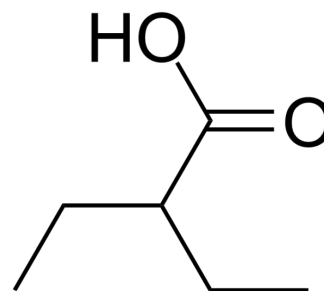
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2-Ethylbutyric acid

Cat. No.:	HY-W004154		
CAS No.:	88-09-5		
Molecular Formula:	C ₆ H ₁₂ O ₂		
Molecular Weight:	116.16		
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 (860.88 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	8.6088 mL	43.0441 mL	86.0882 mL
		5 mM	1.7218 mL	8.6088 mL	17.2176 mL
10 mM		0.8609 mL	4.3044 mL	8.6088 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 (21.52 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (21.52 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (21.52 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	2-Ethylbutyric acid acts as an internal standard (IS) in a standard addition calibration method for the VFA analysis of faeces [1].
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REFERENCES

[1]. Cruwys JA, et al. Development of a static headspace gas chromatographic procedure for the routine analysis of volatile fatty acids in wastewaters. J Chromatogr A. 2002 Feb 1;945(1-2):195-209.

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

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