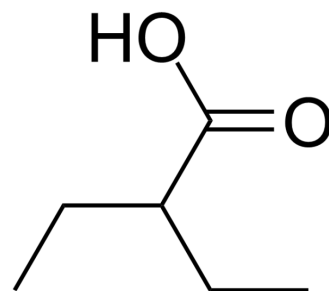


2-Ethylbutyric acid

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)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		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	1. 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					
	2. 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					
	3. 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

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

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