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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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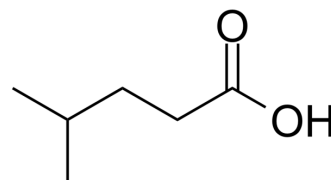
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4-Methylpentanoic acid

Cat. No.:	HY-W015882		
CAS No.:	646-07-1		
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	Solvent Concentration	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

- 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

4-Methylpentanoic acid (Isocaproic Acid) is a Short chain fatty acid (SCFA)^[1].

REFERENCES

[1]. Skonieczna-Żydecka K, et al. Faecal Short Chain Fatty Acids Profile is Changed in Polish Depressive Women. *Nutrients*. 2018 Dec 7;10(12).

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

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