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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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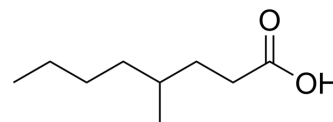
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4-Methyloctanoic acid

Cat. No.:	HY-W010178
CAS No.:	54947-74-9
Molecular Formula:	C ₉ H ₁₈ O ₂
Molecular Weight:	158.24
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Store at room temperature 3 years
	In solvent -80°C 2 years
	-20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (631.95 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		6.3195 mL	31.5976 mL	63.1951 mL
		5 mM		1.2639 mL	6.3195 mL	12.6390 mL
		10 mM		0.6320 mL	3.1598 mL	6.3195 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 (15.80 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (15.80 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 2.5 mg/mL (15.80 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	4-Methyloctanoic acid is a natural compound mainly responsible for the characteristic goatly sheepy flavour of sheep and goat milk ^[1] .
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REFERENCES

[1]. Teng F, et al. Effects of season and industrial processes on volatile 4-alkyl-branched chain fatty acids in sheep milk. Food Chem. 2018 Sep 15;260:327-335.

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

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