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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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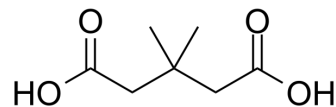
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3,3-Dimethylglutaric acid

Cat. No.:	HY-W008097		
CAS No.:	4839-46-7		
Molecular Formula:	C ₇ H ₁₂ O ₄		
Molecular Weight:	160.17		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-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 (624.34 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.2434 mL	31.2168 mL	62.4337 mL
	5 mM	1.2487 mL	6.2434 mL	12.4867 mL
	10 mM	0.6243 mL	3.1217 mL	6.2434 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: ≥ 10 mg/mL (62.43 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 10 mg/mL (62.43 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 10 mg/mL (62.43 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

3,3-Dimethylglutaric acid, a member of methyl-branched fatty acids, is an endogenous metabolite occasionally found in human urine^[1].

REFERENCES

[1]. Gates SC, et al. Automated metabolic profiling of organic acids in human urine. II. Analysis of urine samples from "healthy" adults, sick children, and children with neuroblastoma. Clin Chem. 1978 Oct;24(10):1680-9.

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

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