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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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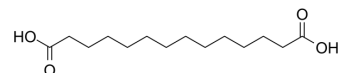
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Tetradecanedioic acid

Cat. No.:	HY-W011819		
CAS No.:	821-38-5		
Molecular Formula:	C ₁₄ H ₂₆ O ₄		
Molecular Weight:	258.36		
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 : 50 mg/mL (193.53 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.8706 mL	19.3528 mL	38.7057 mL
		5 mM	0.7741 mL	3.8706 mL	7.7411 mL
		10 mM	0.3871 mL	1.9353 mL	3.8706 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 (9.68 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.68 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Tetradecanedioic acid is an endogenous metabolite and belongs to the class of organic compounds known as long-chain fatty acids. Tetradecanedioic acid can act as a candidate biomarker for organic anion-transporting polypeptide mediated agent-agent interactions [1].
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REFERENCES

[1]. Santocoyte R, et al. LC-MS/MS bioanalysis of plasma 1, 14-tetradecanedioic acid and 1, 16-hexadecanedioic acid as candidate biomarkers for organic anion-transporting polypeptide mediated drug-drug interactions. *Bioanalysis*. 2018 Sep 1;10(18):1473-1485.

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

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