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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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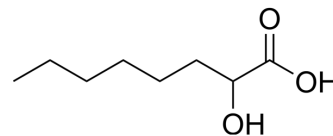
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2-Hydroxyoctanoic acid

Cat. No.:	HY-W015444
CAS No.:	617-73-2
Molecular Formula:	C ₈ H ₁₆ O ₃
Molecular Weight:	160.21
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 (624.18 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		6.2418 mL	31.2090 mL	62.4181 mL
		5 mM		1.2484 mL	6.2418 mL	12.4836 mL
		10 mM		0.6242 mL	3.1209 mL	6.2418 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 (15.60 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (15.60 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (15.60 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	2-Hydroxyoctanoic acid is a medium chain acyl-CoA synthetase inhibitor with a K _i of 500 μM ^[1] .
IC ₅₀ & Target	Ki: 500 μM (medium chain acyl-CoA synthetase) ^[1]

REFERENCES

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

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