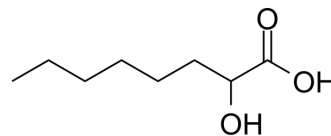


2-Hydroxyoctanoic acid

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)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	<ol style="list-style-type: none"> 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 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 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	Human Endogenous Metabolite

REFERENCES

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

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