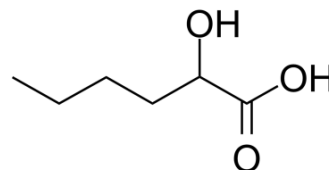


## 2-Hydroxyhexanoic acid

Cat. No.:	HY-75954		
CAS No.:	6064-63-7		
Molecular Formula:	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>		
Molecular Weight:	132.16		
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

H<sub>2</sub>O : ≥ 100 mg/mL (756.66 mM)  
 DMSO : ≥ 100 mg/mL (756.66 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		7.5666 mL	37.8329 mL	75.6659 mL
	5 mM		1.5133 mL	7.5666 mL	15.1332 mL
	10 mM		0.7567 mL	3.7833 mL	7.5666 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: ≥ 2.5 mg/mL (18.92 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**  
 Solubility: ≥ 2.5 mg/mL (18.92 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% corn oil**  
 Solubility: ≥ 2.5 mg/mL (18.92 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

2-Hydroxyhexanoic acid is an endogenous metabolite.

#### IC<sub>50</sub> & Target

Human Endogenous Metabolite  
 (□□□□)

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## CUSTOMER VALIDATION

- Laurea Magistrale in Biomedical Engineering, Politecnico di Milano. 2019 Jun.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA