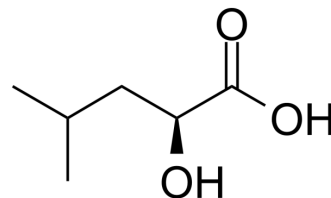


(S)-Leucic acid

Cat. No.:	HY-30215		
CAS No.:	13748-90-8		
Molecular Formula:	C ₆ H ₁₂ O ₃		
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

H₂O : 100 mg/mL (756.66 mM; Need ultrasonic)
 DMSO : 50 mg/mL (378.33 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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: PBS
Solubility: 100 mg/mL (756.66 mM); Clear solution; Need ultrasonic
- 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

(S)-Leucic acid is an amino acid metabolite.

IC₅₀ & Target

Microbial Metabolite

Human Endogenous Metabolite

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

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