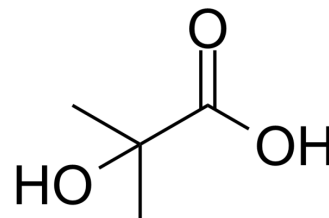


2-Hydroxyisobutyric acid

Cat. No.:	HY-W015924
CAS No.:	594-61-6
Molecular Formula:	C ₄ H ₈ O ₃
Molecular Weight:	104.11
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	<div> <div>Powder</div> <div> -20°C 3 years 4°C 2 years </div> </div> <div> <div>In solvent</div> <div> -80°C 6 months -20°C 1 month </div> </div>



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (960.52 mM; Need ultrasonic)
H₂O : ≥ 100 mg/mL (960.52 mM)
* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		9.6052 mL	48.0261 mL	96.0523 mL
	5 mM		1.9210 mL	9.6052 mL	19.2104 mL
	10 mM		0.9605 mL	4.8026 mL	9.6052 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 (24.01 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (24.01 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (24.01 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

2-Hydroxyisobutyric acid is an endogenous metabolite.

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

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