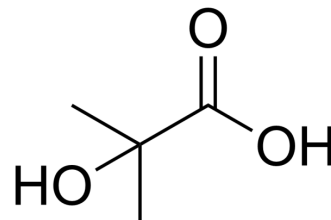


## 2-Hydroxyisobutyric acid

<b>Cat. No.:</b>	HY-W015924		
<b>CAS No.:</b>	594-61-6		
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>8</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	104.11		
<b>Target:</b>	Endogenous Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	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 (960.52 mM; Need ultrasonic)

H<sub>2</sub>O : ≥ 100 mg/mL (960.52 mM)

\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

1. 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

2. 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

3. 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.

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

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