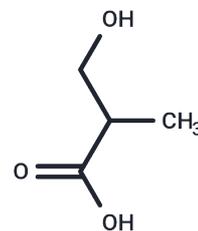


## 3-Hydroxyisobutyric acid

## Chemical Properties

CAS No. :	2068-83-9
Formula:	C <sub>4</sub> H <sub>8</sub> O <sub>3</sub>
Molecular Weight:	104.1045
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	(S)-3-Hydroxyisobutyric acid is an important interorgan metabolite.
Targets(IC50)	Others

## Solubility Information

Solubility	H <sub>2</sub> O: 50 mg/mL (480.31 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.6061 mL	48.0307 mL	96.0615 mL
5 mM	1.9212 mL	9.6061 mL	19.2123 mL
10 mM	0.9606 mL	4.8031 mL	9.6061 mL
50 mM	0.1921 mL	0.9606 mL	1.9212 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

Podebrad F, et al. Stereodifferentiation of 3-hydroxyisobutyric- and 3-aminoisobutyric acid in human urine by enantioselective multidimensional capillary gas chromatography-mass spectrometry. Clin Chim Acta. 2000 Feb 25;

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