

Leucic acid

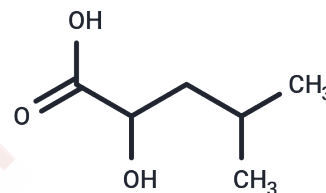
Chemical Properties

CAS No. : 498-36-2

Formula: C₆H₁₂O₃

Molecular Weight: 132.16

Storage: Keep away from moisture, Keep away from direct sunlight
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Leucic acid (α -Hydroxyisocaproic acid) is an amino acid widely found in plants and animals that prevents muscle loss and is broken down into glucose.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 250 mg/mL (1891.65 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.1513 mL	0.7567 mL	1.5133 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Marie-José, et al. Formation of 2-hydroxy-4-methylpentanoic acid from l-leucine by *Clostridium butyricum*. FEMS Microbiology Letters 132.1-2(1995):171-176.

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