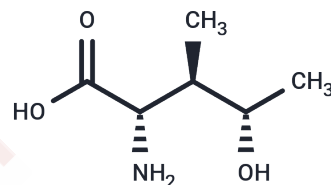


(2S,3R,4S)-4-Hydroxyisoleucine

Chemical Properties

CAS No. :	55399-93-4
Formula:	C ₆ H ₁₃ NO ₃
Molecular Weight:	147.17
Storage:	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	(2S,3R,4S)-4-Hydroxyisoleucine (Hydroxyisoleucine) from fenugreek (<i>Trigonella foenum-graecum</i>) seeds is a potential insulinotropic (anti-diabetic) and anti-obesity amino acid that stimulates glucose-dependent insulin secretion from pancreatic cells, activates insulin receptor substrate-associated phosphoinositide 3 (PI3) kinase activity, and reduces plasma levels of triglycerides, free fatty acids, and cholesterol.
Targets(IC50)	IGF-1R,PI3K

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble) H ₂ O: 110 mg/mL (747.43 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	6.7949 mL	33.9743 mL	67.9486 mL
5 mM	1.359 mL	6.7949 mL	13.5897 mL
10 mM	0.6795 mL	3.3974 mL	6.7949 mL
50 mM	0.1359 mL	0.6795 mL	1.359 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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