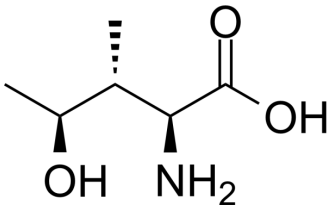
(2S,3R,4S)-4-Hydroxyisoleucine

Cat. No.:	HY-W010271		
CAS No.:	55399-93-4		
Molecular Formula:	$C_6H_{13}NO_3$		
Molecular Weight:	147.17		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H_2O : 50 mg/mL (339.74 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	6.7949 mL	33.9743 mL	67.9486 mL
5 mM	1.3590 mL	6.7949 mL	13.5897 mL
10 mM	0.6795 mL	3.3974 mL	6.7949 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

(2S,3R,4S)-4-Hydroxyisoleucine is an orally active compound isolated from Trigonella foenum-graecum, with anti-diabetes and anti-diabetic nephropathy activity[1].

REFERENCES

[1]. Shi X, et al. Engineering a short-chain dehydrogenase/reductase for the stereoselective production of (2S,3R,4S)-4-hydroxyisoleucine with three asymmetric centers. Sci Rep. 2017 Oct 20;7(1):13703.

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

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