



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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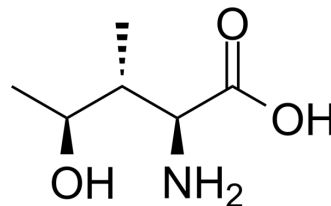
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(2S,3R,4S)-4-Hydroxyisoleucine

Cat. No.:	HY-W010271		
CAS No.:	55399-93-4		
Molecular Formula:	C ₆ H 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

H₂O : 50 mg/mL (339.74 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		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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