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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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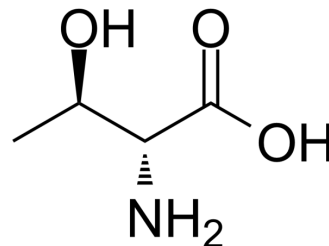
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D-Allothreonine

Cat. No.:	HY-W001959		
CAS No.:	24830-94-2		
Molecular Formula:	C ₄ H ₉ NO ₃		
Molecular Weight:	119.12		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 : 25 mg/mL (209.87 mM; ultrasonic and warming and heat to 60°C)
 DMSO : < 1 mg/mL (ultrasonic) (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		8.3949 mL	41.9745 mL	83.9490 mL
	5 mM		1.6790 mL	8.3949 mL	16.7898 mL
	10 mM		0.8395 mL	4.1974 mL	8.3949 mL

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

In Vivo

1. Add each solvent one by one: PBS
 Solubility: 8.33 mg/mL (69.93 mM); Clear solution; Need ultrasonic and warming and heat to 60°C

BIOLOGICAL ACTIVITY

Description

D-Allothreonine is the D type stereoisomer of Allothreonine. D-Allothreonine is a peptido-lipid derived from bacteria. D-Allothreonine, amide-linked to the D-galacturonic acid, is also a constituent in the polysaccharide^{[1][2]}.

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. M IKAWA, et al. Occurrence of D-phenylalanine, D-allothreonine and Other D-amino-acids in Peptido-Lipids of Bacterial Origin. Nature. 1960 Nov 12;188:558-60.

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

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