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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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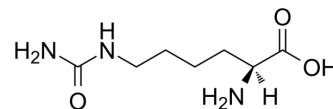
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L-Homocitrulline

Cat. No.:	HY-W018004		
CAS No.:	1190-49-4		
Molecular Formula:	C ₇ H ₁₅ N ₃ O ₃		
Molecular Weight:	189.21		
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 : 33.33 mg/mL (176.15 mM; ultrasonic and warming and heat to 60°C)
 DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		5.2851 mL	26.4257 mL	52.8513 mL
	5 mM		1.0570 mL	5.2851 mL	10.5703 mL
	10 mM		0.5285 mL	2.6426 mL	5.2851 mL

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

In Vivo

1. Add each solvent one by one: PBS
 Solubility: 50 mg/mL (264.26 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

L-Homocitrulline is metabolized to homoarginine through homoargininosuccinate via the urea cycle pathway and its metabolic abnormality could lead to Lysinuric Protein Intolerance (LPI).

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Kato T, et al. Homocitrullinuria and homoargininuria in lysinuric protein intolerance. J Inherit Metab Dis. 1989;12(2):157-61.

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

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