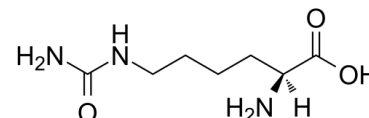


Data Sheet

Product Name:	L-Homocitrulline
Cat. No.:	CS-W018790
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
Solubility:	H ₂ O : 100 mg/mL (528.51 mM; Need ultrasonic); DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)



BIOLOGICAL ACTIVITY:

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

References:

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

CAIndexNames:

L-Lysine,N6-(aminocarbonyl)-

SMILES:

[H][C@](N)(CCCCNC(N)=O)C(O)=O

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

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