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Product Specifications

Catalogue Number	05973
Product	D-Homocitrulline D-HomoCit-OH <i>N</i> ^ε -Carbamoyl-D-lysine
CAS Number	121080-96-4
Molecular Formula	C ₇ H ₁₅ N ₃ O ₃
Molecular Weight	189.22
Appearance	White powder
Solubility	Clear, colorless solution (50mg/mL in 80% Acetic acid)
Elemental Analysis (Theory)	C = 43.97%; H = 7.96%; N = 21.99%; Calculated as 0.1 H ₂ O
Elemental Analysis (Found)	C = 43.97 ± 0.5%; H = 7.96 ± 0.5%; N = 21.99 ± 0.5%; Calculated as 0.1 H ₂ O
Water Content (Karl Fisher)	≤ 1%
TLC System	n-Butanol/Acetic acid/H ₂ O (4:2:2) Isopropanol/Ammonia Concentrated (1:1) Plate: Silica gel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = -25 ± 2° (C=2 in 1N HCl)
Purity by TLC	≥ 98%
Storage	Store at 0-8°C

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For Laboratory Use Only