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Product Specifications

Catalogue Number	05909
Product	L-Citrulline β-naphthylamide hydrobromide L-Cit- β NA•HBr (S)-2-Amino-5-ureidopentanoic acid β -naphthylamide hydrobromide
CAS Number	201988-71-8
Molecular Formula	C ₁₆ H ₂₀ N ₄ O ₂ •HBr
Molecular Weight	381.43
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Appearance	White product
Solubility	Clear, colorless solution (50 mg/mL in Methanol)
Melting Point	133-137 °C
Elemental Analysis (Theory)	C = 48.13%; H = 5.81%; N = 14.03%
Elemental Analysis (Found)	C = 48.06 \pm 0.5%; H = 5.87 \pm 0.5%; N = 13.77 \pm 0.5%
Water Content (Karl Fisher)	\leq 5%
TLC System	Chloroform/Methanol/Benzene/H ₂ O (8:8:8:1) Chloroform/methanol/acetic acid/H ₂ O (70:42:0.5:10) Ethylacetate/pyridine/acetic acid/H ₂ O (60:20:6:11) Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Titration	Bromide content: \geq 19% (AgNO ₃)
Purity by TLC	\geq 99%
Storage	Store at 0-8 °C

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For Laboratory Use Only