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Product Specifications

Catalogue Number	32695
Product	H-Arg-4MβNA hydrochloride salt
CAS Number	60285-94-1 (net), 61876-75-3
Molecular Formula	C ₁₇ H ₂₃ N ₅ O ₂ •HCl
Molecular Weight	365.86

Appearance	White powder
Appearance of Solution	Clear, colorless solution in methanol (50 mg/mL)
Elemental Analysis (Theory)	C = 55.5 ± 0.5% H = 6.6 ± 0.5% N = 19.1 ± 0.5% Calc. as 1 HCl (9.6 Cl) x 0.1 H ₂ O (0.5%)
Water Content (Karl Fisher)	≤ 1.0%
TLC System	n-butanol/acetic acid/H ₂ O (4:2:2) Chloroform/Methanol/Acetic acid 32% (5:3:1) Ethylacetate/Pyridine/Acetic acid/H ₂ O (60:30:9:16.5) Plate : Silicagel 60 F ₂₅₄ Detected by : UV, ninhydrin, TMB
Optical Rotation	[α] _D ²⁴ = 18 ± 1 ° (C=0.5 in Methanol)
Related Substances	≤ 0.1% 4MbNA
Titration	Chloride content : ≤ 10% (AgNO ₃)
Assay	≥ 89% (Nth 21.26% by elemental analysis)
Purity by TLC	≥ 99%
Storage	Store at 2 - 8 °C

For Laboratory Use Only