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Certificate of Analysis

Catalogue Number	32695
Lot Number	000127-1022612
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 (Found)	C = 55.8% H = 6.7% N = 19.1% Calc. as 1 HCl (9.6 Cl) x 0.1 H ₂ O (0.5%)
Water Content (Karl Fisher)	0.7%
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 = 18.7 ° (C=0.5 in Methanol)
Related Substances	< 0.1% 4MbNA
Titration	Chloride content : 9.6% (AgNO ₃)
Assay	89.8% (Nfd 19.1% by elemental analysis)
Purity by TLC	> 99%
Storage	Store at 2 - 8 °C

Certificate of Analysis

Catalog Number: 32695

Lot Number: 000127-1022612

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager