

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	04336
Product	<i>N</i>^α-Acetyl-L-arginine methyl ester hydrochloride
Lot Number	000127-1041400 Ac-L-Arg-OMe•HCl
CAS Number	1784-05-0
Molecular Formula	C ₉ H ₁₈ N ₄ O ₃ •HCl
Molecular Weight	266.77
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Appearance	White powder
Solubility	Clear colorless solution (50 mg/mL in Methanol)
Melting Point	182 °C
Elemental Analysis (Found)	C = 40.58% H = 7.07% N = 21.02% Calculated as HCl (13.6%) x 0.1 H ₂ O (0.7%)
Water Content (Karl Fisher)	0.6%
TLC System	Chloroform/Methanol/Acetic acid 32% (5:3:1) Chloroform/Methanol/Acetic acid/Water (70:42:0.5:10) Ethylacetate/Pyridine/Acetic acid/Water (60:30:9:16.5) Plate: Silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, Chlorine-Tolidine
Optical Rotation	[α] _D ²⁴ = -15.7 ° (C=1 in MeOH)
Titration	Chloride content : 13.4% (AgNO ₃)
Purity by TLC	> 99%
Storage	Store at 0 - 8 °C

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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