

Analytical Data Sheet

Lot number **1070398**
not for drug use

Catalog number **F-1885.0025**
Product number **4001301.0025**
Product **H- Arg(NO₂) - OMe · HCl**
Molecular formula **C₇H₁₅N₅O₄ · HCl**
Relative molecular mass **269.69**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (25 mg/mL in methanol)
Identification (elemental analysis)	Theory Found C = 31.2% C = 31.5% H = 6.0% H = 5.9% N = 26.0% N = 25.8%
Identification (TLC)	complies with authentic material
Melting point	158 °C
Specific optical rotation	$[\alpha]_D^{24} = +15.6^\circ$ (3% in methanol)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 6/5/1/3 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.2% (Nth 25.97%, Nfd 25.75%)
Water content (KF volumetric)	0.9%
Chloride content (titration)	13.2%

Latest update: February 24, 2017

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