

Analytical Data Sheet

Lot number **1000021892**
not for drug use

Catalog number **F-1885.0100**
Product number **4001301.0100**
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)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 31.2%</td> <td>C = 31.5%</td> </tr> <tr> <td>H = 6.0%</td> <td>H = 5.9%</td> </tr> <tr> <td>N = 26.0%</td> <td>N = 25.7%</td> </tr> </table>	Theory	Found	C = 31.2%	C = 31.5%	H = 6.0%	H = 5.9%	N = 26.0%	N = 25.7%
Theory	Found								
C = 31.2%	C = 31.5%								
H = 6.0%	H = 5.9%								
N = 26.0%	N = 25.7%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +15.2^\circ$ (3% in methanol)								
Purity (TLC)	> 99%								
Related impurities (TLC)	< 0.1% H-Arg(NO ₂)-OH								
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)	99.1% (Nth 25.97%, Nfd 25.73%)								
Water content (KF volumetric)	0.1%								
Chloride content (titration)	13.1%								

Latest update: September 20, 2019

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