

Analytical Data Sheet

Lot number **1000005666**
not for drug use

Catalog number **E-1375.0100**
Product number **4002664.0100**
Product **H- Arg- OMe · 2 HCl**
Molecular formula **C₇H₁₆N₄O₂ · 2 HCl**
Relative molecular mass **261.15**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 32.2 %</td><td>C = 32.3 %</td></tr><tr><td>H = 7.0 %</td><td>H = 6.7 %</td></tr><tr><td>N = 21.5 %</td><td>N = 21.5 %</td></tr></tbody></table> calc. x 2 HCl	Theory	Found	C = 32.2 %	C = 32.3 %	H = 7.0 %	H = 6.7 %	N = 21.5 %	N = 21.5 %
Theory	Found								
C = 32.2 %	C = 32.3 %								
H = 7.0 %	H = 6.7 %								
N = 21.5 %	N = 21.5 %								
Identification (TLC)	complies with authentic material								
Melting point	193 °C								
Specific optical rotation	$[\alpha]_D^{24} = +20.1^\circ$ (2.5 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	100.0% (Nth 21.45 %, Nfd 21.45 %)								

Latest update: September 03, 2018

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