

Analytical Data Sheet

Lot number

1041273

not for drug use

Catalog Number	E-1370.0100
Product number	4002570.0100
Product	H- Arg- OEt · 2 HCl
Molecular formula	C₈H₁₈N₄O₂ · 2 HCl
Relative molecular mass	275.18

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in ethanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 34.9%</td> <td>C = 34.8%</td> </tr> <tr> <td>H = 7.3%</td> <td>H = 7.3%</td> </tr> <tr> <td>N = 20.4%</td> <td>N = 20.3%</td> </tr> </table>	Theory	Found	C = 34.9%	C = 34.8%	H = 7.3%	H = 7.3%	N = 20.4%	N = 20.3%
Theory	Found								
C = 34.9%	C = 34.8%								
H = 7.3%	H = 7.3%								
N = 20.4%	N = 20.3%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +12.2^\circ$ (2% in water)								
Purity (TLC)	> 99%								
TLC conditions	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 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.5% (Nth 20.36% Nfd 20.26%)								
Chloride content (titration)	25.7%								
Latest update: February 29, 2012									