

Analytical Data Sheet

Lot number **1071571**
not for drug use

Catalog number **E-1030.0005**
Product number **4000615.0005**
Product **Ac- Arg- OMe · HCl**
Molecular formula **C₉H₁₈N₄O₃ · HCl**
Relative molecular mass **266.73**

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 = 40.26 %</td> <td>C = 40.58 %</td> </tr> <tr> <td>H = 7.21 %</td> <td>H = 7.07 %</td> </tr> <tr> <td>N = 20.86 %</td> <td>N = 21.02 %</td> </tr> </tbody> </table> <p>calc. as HCl (13.6 %) x 0.1 H₂O (0.7 %)</p>	Theory	Found	C = 40.26 %	C = 40.58 %	H = 7.21 %	H = 7.07 %	N = 20.86 %	N = 21.02 %
Theory	Found								
C = 40.26 %	C = 40.58 %								
H = 7.21 %	H = 7.07 %								
N = 20.86 %	N = 21.02 %								
Identification (TLC)	conforms with authentic material								
Melting point	182 °C (foams)								
Specific optical rotation	$[\alpha]_D^{24} = -15.7^\circ$ (1 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.6%								
Chloride content (titration)	13.4% (AgNO ₃)								

Latest update: May 04, 2017

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