

Analytical Data Sheet

Lot number **1072111**
not for drug use

Catalog number **G-1475.1000**
Product number **4002632.1000**
Product **H- Arg- Glu- OH**
Molecular formula $C_{11}H_{21}N_5O_5$
Relative molecular mass 303.32

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (25 mg/ml in 80% AcOH)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 38.94 %</td> <td>C = 39.64 %</td> </tr> <tr> <td>H = 7.43 %</td> <td>H = 7.65 %</td> </tr> <tr> <td>N = 20.64 %</td> <td>N = 20.95 %</td> </tr> </tbody> </table> <p>calc. as x 2 H₂O</p>	Theory	Found	C = 38.94 %	C = 39.64 %	H = 7.43 %	H = 7.65 %	N = 20.64 %	N = 20.95 %
Theory	Found								
C = 38.94 %	C = 39.64 %								
H = 7.43 %	H = 7.65 %								
N = 20.64 %	N = 20.95 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -20.4\%$ (2 % in H ₂ O)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	9.7%								
Peptide content	89.5%								

Latest update: June 07, 2017

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