

## Analytical Data Sheet

Lot number **1071598**  
not for drug use

Catalog number **E-3015.0005**  
Product number **4018529.0005**  
Product **Ac- Arg(Pmc) - OH**  
Molecular formula **C<sub>22</sub>H<sub>34</sub>N<sub>4</sub>O<sub>6</sub>S**  
Relative molecular mass **482.60**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 54.4 %</td><td>C = 54.4 %</td></tr><tr><td>H = 7.1 %</td><td>H = 7.3 %</td></tr><tr><td>N = 11.5 %</td><td>N = 11.4 %</td></tr></tbody></table> <p>calc. as x 0.2 H<sub>2</sub>O (0.7%)</p>	Theory	Found	C = 54.4 %	C = 54.4 %	H = 7.1 %	H = 7.3 %	N = 11.5 %	N = 11.4 %
Theory	Found								
C = 54.4 %	C = 54.4 %								
H = 7.1 %	H = 7.3 %								
N = 11.5 %	N = 11.4 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_{436}^{24} = +22.6^{\circ}$ ( 1 % MeOH)								
Purity (TLC)	> 98%								
TLC conditions	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/30/9/16.5 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	98.2% (Nth 11.61 %, Nfd 11.40 %)								
Water content (KF volumetric)	0.5%								

Latest update: May 11, 2017

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