

Analytical Data Sheet

Lot number

0500707

not for drug use

Catalog Number	C-3490
Product number	4014138
Product	Z- Arg(Pmc) – OH · CHA
Molecular formula	$C_{28}H_{38}N_4O_7S \cdot C_6H_{13}N$
Relative molecular mass	673.87

Tests	Results								
Appearance	Off-white powder								
Appearance of solution	Clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 59.80 %</td> <td>C = 59.57 %</td> </tr> <tr> <td>H = 7.68 %</td> <td>H = 7.57 %</td> </tr> <tr> <td>N = 10.26 %</td> <td>N = 10.17 %</td> </tr> </table>	Theory	Found	C = 59.80 %	C = 59.57 %	H = 7.68 %	H = 7.57 %	N = 10.26 %	N = 10.17 %
Theory	Found								
C = 59.80 %	C = 59.57 %								
H = 7.68 %	H = 7.57 %								
N = 10.26 %	N = 10.17 %								
Melting point	168 °C								
Specific optical rotation	$[\alpha]_D^{24} = + 8.5^\circ$ (1 % in ethanol) $[\alpha]_{365}^{24} = + 28.8^\circ$ (1 % in ethanol)								
Purity (TLC)	> 99%								
TLC conditions	Chloroform/methanol/benzene/H ₂ O 8/8/8/1 Chloroform/methanol/acetic acid 77.5/15/7.5 Chloroform/methanol/acetic acid 32% 15/4/1 Pate: silicagel 60 F ₂₅₄ Detected by: UV, chlorine tolidine								
Water content (KF volumetric)	0.7%								
Latest update: October 25, 2008									