

Analytical Data Sheet

Lot number

1027818

not for drug use

Catalog Number	A-2110.0025
Product number	4010095.0025
Product	Boc- Arg(Mts) - OH · CHA
Molecular formula	$C_{20}H_{32}N_4O_6S \cdot C_6H_{13}N$
Relative molecular mass	555.74

Tests	Results								
Appearance	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 = 52.3 %</td> <td>C = 56.6 %</td> </tr> <tr> <td>H = 8.1 %</td> <td>H = 8.1 %</td> </tr> <tr> <td>N = 13.8 %</td> <td>N = 13.5 %</td> </tr> </table> <p>calc. x CHA (16.85 %) x 0.8 ACN (5.58 %)</p>	Theory	Found	C = 52.3 %	C = 56.6 %	H = 8.1 %	H = 8.1 %	N = 13.8 %	N = 13.5 %
Theory	Found								
C = 52.3 %	C = 56.6 %								
H = 8.1 %	H = 8.1 %								
N = 13.8 %	N = 13.5 %								
Identification (TLC)	complies with authentic material								
Melting point	115 °C								
Specific optical rotation	$[\alpha]_D^{24} = +10.9^\circ$ (0.5 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Latest update: November 25, 2009									