

Analytical Data Sheet

Lot number

1046552

not for drug use

Catalog Number	A-1715.0005
Product number	4001360.0005
Product	Boc- Gln- OSu
Molecular formula	$C_{14}H_{21}N_3O_7$
Relative molecular mass	343.34

Tests	Results								
Appearance	white crystals								
Appearance of solution	clear, colorless solution (50 mg/ml in acetone)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 49.0 %</td> <td>C = 48.6 %</td> </tr> <tr> <td>H = 6.2 %</td> <td>H = 6.3 %</td> </tr> <tr> <td>N = 12.2 %</td> <td>N = 11.8 %</td> </tr> </table>	Theory	Found	C = 49.0 %	C = 48.6 %	H = 6.2 %	H = 6.3 %	N = 12.2 %	N = 11.8 %
Theory	Found								
C = 49.0 %	C = 48.6 %								
H = 6.2 %	H = 6.3 %								
N = 12.2 %	N = 11.8 %								
Identification (TLC)	conforms with authentic material								
Melting point	123 °C								
Specific optical rotation	$[\alpha]_D^{24} = -28.7^\circ$ (1 % in AcOH)								
Purity (TLC)	decomposes on TLC plate								
TLC conditions	chloroform/methanol 7/3 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine 50 % MeOH plate: RP-8 detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	96.7% (Nth 12.24 %, Nfd 11.84 %)								
Water content (KF volumetric)	0.4%								
Latest update: January 25, 2013									