

Analytical Data Sheet

Lot number

1043045

not for drug use

Catalog Number	C-3150.0005
Product number	4008169.0005
Product	Z- Hyp(tBu) - OH
Molecular formula	C ₁₇ H ₂₃ NO ₅
Relative molecular mass	321.37

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 = 63.5 %</td> <td>C = 63.8 %</td> </tr> <tr> <td>H = 7.2 %</td> <td>H = 7.2 %</td> </tr> <tr> <td>N = 4.4 %</td> <td>N = 4.4 %</td> </tr> </table>	Theory	Found	C = 63.5 %	C = 63.8 %	H = 7.2 %	H = 7.2 %	N = 4.4 %	N = 4.4 %
Theory	Found								
C = 63.5 %	C = 63.8 %								
H = 7.2 %	H = 7.2 %								
N = 4.4 %	N = 4.4 %								
Identification (TLC)	complies with authentic material								
Melting point	81 °C								
Purity (HPLC)	99.4% (TEAP)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate								
Water content (KF volumetric)	< 0.1%								
Latest update: June 13, 2012									