

Analytical Data Sheet

Lot number **1058976**
not for drug use

Catalog number **C-3150.0025**
Product number **4008169.0025**
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)	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)	99.2% (TFA)
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, TMB, ammoniummolybdate
Assay (titration)	100.2% (TBAH)
Water content (KF volumetric)	< 0.1%

Latest update: April 27, 2015

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