

Analytical Data Sheet

Lot number **1000018266**
not for drug use

Catalog number **C-1455.0025**
Product number **4001692.0025**
Product **Z- Ser(tBu) - OH**
Molecular formula $C_{15}H_{21}NO_5$
Relative molecular mass 295.34

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	Theory Found C = 61.0 % C = 60.9 % H = 7.2 % H = 7.3 % N = 4.7 % N = 4.7 %
Identification (TLC)	complies with authentic material
Melting point	88 ° C
Specific optical rotation	$[\alpha]_D^{24} = +21.5^\circ$ (1 % in ethanol)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% Z-D-Ser(tBu)-OH
Assay (elemental analysis)	100.0% (CTh 61.00%, Cfd 61.03%)

Latest update: July 09, 2019

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