

Analytical Data Sheet

Lot number **1000044381**
not for drug use

Product Boc-Pen(Trt)-OH
Product number **4019781.0001**
Molecular formula C₂₉H₃₃NO₄S
Relative molecular mass 491.65

Tests	Results
Appearance	white product
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	C-Value 71.24% H-Value 7.16% N-Value 2.75% calc. as 0.15 hexane (2.6%)
Identification (TLC)	complies with authentic material
Melting point	135°C
Specific optical rotation	$[\alpha]_D^{24} = +52.8^\circ$ (1% in methanol)
Purity (TLC)	> 98 %
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Residual organic solvents (GC)	2.3% hexane

Latest update: January 20, 2021

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