

Analytical Data Sheet

Lot number **1000009413**
not for drug use

Catalog number **B-1230.0005**
Product number **4006507.0005**
Product **Fmoc- D- Ser(BSi) - OH**
Molecular formula $C_{24}H_{31}NO_5Si$
Relative molecular mass 441.60

Tests	Results								
Appearance	white product								
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 64.43 %</td> <td>C = 64.34 %</td> </tr> <tr> <td>H = 7.21 %</td> <td>H = 7.15 %</td> </tr> <tr> <td>N = 3.09 %</td> <td>N = 3.18 %</td> </tr> </table> <p>calc. as 0.1 H₂O (0.4 %) x 0.3 methanol (2.1 %)</p>	Theory	Found	C = 64.43 %	C = 64.34 %	H = 7.21 %	H = 7.15 %	N = 3.09 %	N = 3.18 %
Theory	Found								
C = 64.43 %	C = 64.34 %								
H = 7.21 %	H = 7.15 %								
N = 3.09 %	N = 3.18 %								
Identification (TLC)	complies with authentic material								
Melting point	110 °C								
Specific optical rotation	$[\alpha]_D^{24} = -25.0^\circ$ (1.5 % in dioxane)								
Purity (HPLC)	99.9% (TFA, 260 nm)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, chlorine-tolidine								
Water content (KF volumetric)	0.3%								

Latest update: November 29, 2018

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