

Analytical Data Sheet

Lot number **1073041**
not for drug use

Catalog number **B-2260.0001**
Product number **4018519.0001**
Product **Fmoc- Orn(Fmoc) - OH**
Molecular formula $C_{35}H_{32}N_2O_6$
Relative molecular mass 576.65

Tests	Results								
Appearance	white product								
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 72.45 %</td> <td>C = 72.44 %</td> </tr> <tr> <td>H = 5.63 %</td> <td>H = 5.20 %</td> </tr> <tr> <td>N = 4.83 %</td> <td>N = 4.75 %</td> </tr> </tbody> </table> <p>calc. as 0.2 H₂O (0.6 %)</p>	Theory	Found	C = 72.45 %	C = 72.44 %	H = 5.63 %	H = 5.20 %	N = 4.83 %	N = 4.75 %
Theory	Found								
C = 72.45 %	C = 72.44 %								
H = 5.63 %	H = 5.20 %								
N = 4.83 %	N = 4.75 %								
Identification (TLC)	complies with authentic material								
Melting point	195 °C								
Purity (HPLC)	99.1% (TFA, 260 nm)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/ethylacetate/acetic acid 50/50/2 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, chlorine-tolidine								
Water content (KF volumetric)	0.6%								

Latest update: August 21, 2017

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