

## Analytical Data Sheet

Lot number **1000006756**  
not for drug use

Catalog number **B-3335.0001**  
Product number **4028886.0001**  
Product **Fmoc- p- Me- Phe- OH**  
Molecular formula  $C_{25}H_{23}NO_4$   
Relative molecular mass 401.46

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)								
Identification (ESI-MS)	m = 401.0u (average mass)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 74.63 %</td> <td>C = 74.66 %</td> </tr> <tr> <td>H = 5.79 %</td> <td>H = 5.82 %</td> </tr> <tr> <td>N = 3.48 %</td> <td>N = 3.52 %</td> </tr> </tbody> </table> <p>calc. as 0.05 H<sub>2</sub>O (0.2 %)</p>	Theory	Found	C = 74.63 %	C = 74.66 %	H = 5.79 %	H = 5.82 %	N = 3.48 %	N = 3.52 %
Theory	Found								
C = 74.63 %	C = 74.66 %								
H = 5.79 %	H = 5.82 %								
N = 3.48 %	N = 3.52 %								
Purity (HPLC)	100.0% (TFA, 260 nm)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/acetic acid/H <sub>2</sub> O 85/13/0.5/1.5 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	100.0% (Cth 74.63 %, Cfd 74.66 %)								
Water content (KF volumetric)	0.2%								

Latest update: September 28, 2018

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