

## Analytical Data Sheet

Lot number **1071940**  
not for drug use

Catalog number **B-1900.0005**  
Product number **4015614.0005**  
Product **Fmoc- p- chloro- D- Phe- OH**  
Molecular formula  $C_{24}H_{20}ClNO_4$   
Relative molecular mass 421.88

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)								
Identification (ESI-MS)	m = 421.7u								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 66.90 %</td> <td>C = 66.77 %</td> </tr> <tr> <td>H = 4.91 %</td> <td>H = 4.78 %</td> </tr> <tr> <td>N = 3.25 %</td> <td>N = 3.20 %</td> </tr> </tbody> </table> <p>calc. as x 0.5 H<sub>2</sub>O (2.1%)</p>	Theory	Found	C = 66.90 %	C = 66.77 %	H = 4.91 %	H = 4.78 %	N = 3.25 %	N = 3.20 %
Theory	Found								
C = 66.90 %	C = 66.77 %								
H = 4.91 %	H = 4.78 %								
N = 3.25 %	N = 3.20 %								
Identification (TLC)	complies with authentic material								
Melting point	160 °C								
Purity (HPLC)	99.5% (TFA)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
Water content (KF volumetric)	2.1%								

Latest update: May 23, 2017

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