

## Analytical Data Sheet

Lot number **1057237**  
not for drug use

Catalog number **B-3025.0005**  
Product number **4027210.0005**  
Product **Fmoc- 3, 4- dichloro- D- Phe- OH**  
Molecular formula  $C_{24}H_{19}Cl_2NO_4$   
Relative molecular mass 456.33

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)								
Identification (ESI-MS)	m= 456.3u (average mass)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 63.2 %</td> <td>C = 63.0 %</td> </tr> <tr> <td>H = 4.2 %</td> <td>H = 4.3 %</td> </tr> <tr> <td>N = 3.1 %</td> <td>N = 3.0 %</td> </tr> </tbody> </table>	Theory	Found	C = 63.2 %	C = 63.0 %	H = 4.2 %	H = 4.3 %	N = 3.1 %	N = 3.0 %
Theory	Found								
C = 63.2 %	C = 63.0 %								
H = 4.2 %	H = 4.3 %								
N = 3.1 %	N = 3.0 %								
Identification (TLC)	complies with authentic material								
Melting point	124 °C								
Purity (HPLC)	99.0% (TFA)								
Purity (TLC)	≥ 99%								
TLC conditions	chloroform/methanol/acetic acid/H <sub>2</sub> O 90/10/0.5/1 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.7% (Cth 63.17 %, Cfd 63.00 %)								