

## Analytical Data Sheet

Lot number **1073698**  
not for drug use

Catalog number **B-3855.0001**  
Product number **4039689.0001**  
Product **Fmoc- Homoleu- OH**  
Molecular formula  $C_{22}H_{25}NO_4$   
Relative molecular mass 367.44

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50mg/ml in methanol)								
Identification (ESI-MS)	m = 367.4u (average mass)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 71.4 %</td> <td>C = 71.3 %</td> </tr> <tr> <td>H = 6.9 %</td> <td>H = 6.5 %</td> </tr> <tr> <td>N = 3.8 %</td> <td>N = 3.7 %</td> </tr> </tbody> </table> <p>calc. x 0.15 H<sub>2</sub>O (0.7 %)</p>	Theory	Found	C = 71.4 %	C = 71.3 %	H = 6.9 %	H = 6.5 %	N = 3.8 %	N = 3.7 %
Theory	Found								
C = 71.4 %	C = 71.3 %								
H = 6.9 %	H = 6.5 %								
N = 3.8 %	N = 3.7 %								
Identification (TLC)	complies with authentic material								
Melting point	146 °C								
Purity (HPLC)	99.0% (TFA)								
Related impurities (HPLC)	< 0.1% Fmoc-β-Ala-OH								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
Enantiomer content (GC)	0.8% D-Enantiomer								
Assay (titration)	100.9% (TBAH)								
Water content (KF volumetric)	0.3%								
Acetic acid content (IC)	0.0226%								