

## Analytical Data Sheet

Lot number **1067199**  
not for drug use

Catalog number **B-4170.1000**  
Product number **4070304.1000**  
Product **Fmoc- (Dmb) Gly- OH**  
Molecular formula  $C_{26}H_{25}NO_6$   
Relative molecular mass 447.49

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetonitrile) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (TLC)	complies with authentic material
Melting point	68 °C
Purity (HPLC)	99.3% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc-β-Ala-OH < 0.1% Fmoc-Gly-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-(Dmb)Gly-OH
TLC conditions	chloroform/methanol/acetic acid/H <sub>2</sub> O 70/42/0.5/10 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol 8/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	96.5% (TBAH)
Water content (KF volumetric)	0.4%
Acetic acid content (IC)	0.006%

Latest update: August 10, 2016

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