

Analytical Data Sheet

Lot number **1073492**
not for drug use

Catalog number **B-4040.0001**
Product number **4062764.0001**
Product **Fmoc- Gly- (Dmb) Gly- OH**
Molecular formula $C_{28}H_{28}N_2O_7$
Relative molecular mass 504.54

Tests	Results
Appearance	white crystals
Appearance of solution	clear, colorless solution (50 mg/mL in acetonitrile) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (ESI-MS)	$m = 504.2u$ (average mass)
Purity (HPLC)	98.8% (TFA)
Related impurities (HPLC)	0.1% Fmoc-Gly-OH < 0.1% Fmoc-Gly-Gly-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-(Dmb)Gly-OH
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	91.6% (TBAH)
Water content (KF volumetric)	0.4%
Acetic acid content (IC)	0.006%

Latest update: September 18, 2017

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