

Analytical Data Sheet

Lot number **1069287**
not for drug use

Catalog number **B-1485.0001**
Product number **4006412.0001**
Product **Fmoc- Gly- Gly- OH**
Molecular formula $C_{19}H_{18}N_2O_5$
Relative molecular mass 354.36

| Tests | Results |
|-------------------------------|---|
| Appearance | white powder |
| Appearance of solution | clear, colorless solution (50 mg/mL in dioxane) clear, colorless solution (0.5 mmol/mL in DMF) |
| Identification (ESI-MS) | m = 354.36u (average mass) |
| Identification (TLC) | complies with authentic material |
| Chloride precipitation test | negative |
| Purity (HPLC) | 99.8% (TFA) |
| Related impurities (HPLC) | < 0.1% Fmoc-β-Ala-OH < 0.1% Fmoc-Gly-OH < 0.1% Fmoc-Gly-Gly-Gly-OH 0.1% Fmoc-β-Ala-Gly-Gly-OH |
| Purity (TLC) | > 99% |
| Related impurities (TLC) | < 0.1% H-Gly-Gly-OH |
| TLC conditions | chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB |
| Assay (titration) | 99.9% (TBAH) |
| Water content (KF volumetric) | 0.8% |
| Acetic acid content (IC) | 0.005% |