

Analytical Data Sheet

Lot number	1000035197 not for drug use
Product	Fmoc-Ala-Gly-OH
Product number	4012679.0005
Molecular formula	C ₂₀ H ₂₀ N ₂ O ₅
Relative molecular mass	368.39

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane)
Identification (ESI-MS)	m = 368.4u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.62% (TFA)
Related impurities (HPLC)	0.07 % Fmoc-β-Ala-OH 0.09 % Fmoc-β-Ala-Ala-Gly-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Ala-Gly-OH
TLC conditions	chloroform/methanol/acetic acid 85/10/5 ethylacetate/pyridine/acetic acid/ H ₂ O 60/10/3/4 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.007% (LOD) D-enantiomer
Assay (titration)	98.7% (TBAH)
Water content (KF volumetric)	0.6%
Acetic acid content (IC)	0.002%

Latest update: July 20, 2020

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