

Analytical Data Sheet

Lot number

1041696

not for drug use

Catalog Number	B-3630.0001
Product number	4039905.0001
Product	Fmoc- Asn(Trt) - Gly- OH
Molecular formula	$C_{40}H_{35}N_3O_6$
Relative molecular mass	653.73

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in DMF)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} - 14.8^\circ$ (1% in DMF)
Purity (HPLC)	99.9% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc- β -Ala-OH
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, IRH
Enantiomer content (GC)	0.18% D-enantiomer
Assay (titration)	98.5 (TBAH)
Water content (KF volumetric)	0.1%
Acetic acid content (IC)	0.0212%
Latest update: March 15, 2012	Analytical Data Sheet Lot number 1041696