

Analytical Data Sheet

Lot number

1033616

not for drug use

Catalog Number	B-3660.0250
Product number	4041053.0250
Product	Fmoc- Pro- Pro- Pro- Pro- OH
Molecular formula	$C_{40}H_{47}N_5O_8$
Relative molecular mass	725.84

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Purity (HPLC)	98.3% (TFA)
Purity (TLC)	> 98% (UV) > 95% (chlorine-tolidine, ammoniummolybdate)
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate
Assay (elemental analysis)	95.1% (Nth 9.65%, Nfd 9.18%)
Assay (titration)	97.5% (TBAH)
Water content (KF volumetric)	0.4%
Latest update: November 11, 2010	