

Analytical Data Sheet

Lot number **1053890**
not for drug use

Catalog number **B-2940.0001**
Product number **4027707.0001**
Product **Fmoc- D- Arg(Boc)₂- OH**
Molecular formula **C₃₁H₄₀N₄O₈**
Relative molecular mass **596.68**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 61.75 %</td><td>C = 61.43 %</td></tr><tr><td>H = 6.80 %</td><td>H = 6.86 %</td></tr><tr><td>N = 9.29 %</td><td>N = 9.15 %</td></tr></tbody></table> calc. as 0.35 HO (1.05 %)	Theory	Found	C = 61.75 %	C = 61.43 %	H = 6.80 %	H = 6.86 %	N = 9.29 %	N = 9.15 %
Theory	Found								
C = 61.75 %	C = 61.43 %								
H = 6.80 %	H = 6.86 %								
N = 9.29 %	N = 9.15 %								
Identification (TLC)	conforms with authentic material								
Purity (HPLC)	81.9%(TFA)								
Purity (TLC)	> 90%								
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	98.4%(Cth 62.40 %, Cfd 61.43 %)								
Water content (KF volumetric)	1%								