



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-228180
Lot Number: SAMPLE
Product Name: Fmoc-D-Trp(Boc)-OH
CAS Number: 163619-04-3
Molecular Formula: $C_{31}H_{30}N_2O_6$
Molecular Weight: 526.58

Test	Result
Appearance	White powder
Enantiomeric Purity	L-Trp: 0.25%
Identification (Infrared Spectrum)	Consistent with reference standard
Purity (HPLC)	98.7% Fmoc- β -Ala-D-Trp(Boc)-OH: 0.43%
Purity (Titration)	99.87% w/w (on dry basis)
Purity (TLC)	97.5% (H-D-Trp(Boc)-OH – nq)
Residual Solvents	6.25% (total)
Solubility	Clear solution (13.0 g in 100 of NMP with 3% DIEA)
Optical Rotation ($\alpha_{20/D}$)	+20.8° (c = 1 in DMF)
Water Content	0.19%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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