



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-285685  
Lot Number: SAMPLE  
Product Name: Fmoc-Ala-Thr(psi(Me,Me))-OH  
CAS Number: 252554-79-3  
Molecular Formula:  $C_{25}H_{28}N_2O_6$   
Molecular Weight: 452.51

Test	Result
Appearance	White powder
Identification (Infrared Spectrum)	Consistent with structure
Identification (Mass Spectrometry)	453.2
Purity	Chiral purity: < 0.10% D-Ala, < 0.1% all Thr-isomers
Purity (HPLC)	99.8%
Purity (Titration)	100.0% (anhydrous basis)
Purity (TLC)	UV (254 nm) 100%; Cl <sub>2</sub> /CKS: 100%; Ninhydrine: 100.0%
Residual Solvents	< 0.1% (not quantifying)
Impurity	Beta alanine: < 0.10%
Related Substances	0.1%
Water Content (KF)	0.2%
Amino Acid Analysis	< 0.10%

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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