



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-210848
Lot Number: SAMPLE
Product Name: Atto 590 NHS ester
CAS Number: 670269-33-7
Molecular Formula: $C_{41}H_{42}ClN_3O_{11}$
Molecular Weight: 788.24

Test	Specification	Result
Appearance	Deep blue to deep violet powder	Complies
Solution (Color)	Violet solution in DMSO at 0.1 mg/ml	Complies
Solution (Turbidity)	Clear (visual) solution in DMSO at 0.1 mg/ml	Complies
Degree of Coupling	$\geq 60\%$	92.6%
Fluorescence Emission Max	620.0 ± 10.0 nm	628 nm

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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