



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-205904
Lot Number: SAMPLE
Product Name: Coelenterazine
CAS Number: 55779-48-1
Molecular Formula: $C_{26}H_{21}N_3O_3$
Molecular Weight: 423.46

Test	Specification	Result
Appearance	Brownish-yellow crystalline powder	Complies
Identification (FTIR)	Consistent with reference spectrum	Complies
Purity (TLC)	≥ 95 area-%	> 95 area-%
Extinction Coefficient (1)	≥ 7800.0 L/(mol cm) (0.0125 mg/ml in methanol at 431 nm)	9486.7 L/(mol cm)
Extinction Coefficient (2)	≥ 20900 L/(mol cm) (0.0125 mg/ml in methanol at 261 nm)	24688 L/(mol cm)
Extinction Coefficient (3)	≥ 20300 L/(mol cm) (0.0125 mg/ml in methanol/0.1 N HCl 9: 1, at 281 nm)	22461 L/(mol cm)
Color of Solution	Orange to yellow to brown at 0.0125 mg/ml in methanol	Yellow
λ_{max} 1	431 - 435 nm (0.0125 mg/ml in methanol)	431 nm
λ_{max} 2	261 - 265 nm (0.0125 mg/ml in methanol)	261 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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