



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-202856
Lot Number: SAMPLE
Product Name: YC-1
CAS Number: 170632-47-0
Molecular Formula: $C_{19}H_{16}N_2O_2$
Molecular Weight: 304.3

Test	Specification	Result
Identification (Infrared Spectrum)	Consistent with standard	Complies
Identification (Mass Spectrometry - ESI)	MH+: 305.3 -C ₆ H ₅ CH ₂ , OH: 197.2 -H ₂ O: 287.3 -tropylium ion: 214.2	MH+: 305.5 -C ₆ H ₅ CH ₂ , OH: 0.0 -H ₂ O: 0.0 -tropylium ion: 0.0
Purity (HPLC)	> 99%	Purity: 100% Retention time actual: 8.10 min
Melting Point	112 - 116 °C	114 - 115 °C
UV Absorption	λ max 1: 225 nm λ max 2: 253 nm λ max 3: 278 nm λ max 4: 287 nm λ max 5: 326 nm	λ max 1: 224 nm λ max 2: 252 nm λ max 3: 278 nm λ max 4: 287 nm λ max 5: 326 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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