



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-228641
Lot Number: SAMPLE
Product Name: N-(9-Anthracenylmethyl)cinchonindinium chloride
CAS Number: 199588-80-2
Molecular Formula: $C_{34}H_{33}ClN_2O$
Molecular Weight: 521.09

Test	Specification	Result
Appearance	White to yellow to beige powder or crystals	Yellow powder
Identification (1H-NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (Silver Nitrate Titration)	83.0 - 117.0%	92.6%
Purity (TLC)	$\geq 85\%$	$> 85\%$
Solubility	Clear and colorless to dark yellow at 25 mg/ml in $CHCl_3$	Clear and yellow solution
Optical Rotation	$-375 - -325^\circ$ (C = 1%, $CHCl_3$)	-325°

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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