



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-208461
Lot Number: SAMPLE
Product Name: (3'R,5'S)-3'-Hydroxycotinine Acetate
CAS Number: 111034-55-0
Molecular Formula: $C_{12}H_{14}N_2O_3$
Molecular Weight: 234.25
Native Source: Synthetic

Test	Specification	Result
Appearance	Colourless to pale yellow oil to sticky oil	Clear colourless sticky oil
Identification (NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (TLC)		97%
Solubility		~3 mg/mL in Chloroform ~2 mg/mL in Methanol
Specific Rotation		+40.2° (c = 0.5, Chloroform) +42.8° (c = 0.5, Chloroform)
Acetic Acid		1.2%
Carbon Content	61.53%	60.80, %
Dichloromethane		1.5%
Hydrogen Content	6.02%	6.38%
Nitrogen Content	11.96%	12.04 %

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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