



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-212381
Lot Number: SAMPLE
Product Name: S-(-)-Nicotine ditartrate dihydrate
CAS Number: 6019-06-3
Molecular Formula: $C_{10}H_{14}N_2 \cdot 2C_4H_6O_6 \cdot 2H_2O$
Molecular Weight: 498.44
Native Source: Synthetic

Test	Result
Appearance	White solid
Identification (1H -NMR)	Consistent with structure
Identification (Mass Spectrometry)	Consistent with structure
Purity (TLC)	98%
Atmosphere	Air
Melting Point	99.0 - 103.5 °C
Solubility	DMSO, Methanol (Sparingly)
Water Content (KF)	5.9%

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com