



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-203453
Lot Number: SAMPLE
Product Name: XE 991 dihydrochloride
CAS Number: 122955-42-4
Molecular Formula: $C_{26}H_{20}N_2O \cdot 2HCl$
Molecular Weight: 449.37

Test	Specification	Result
Appearance	White to off-white solid	White solid
Microanalysis	Elemental analysis within 0.4 of expected result for each element tested	Analysis fits for batch molecular formula
Identification (1H -NMR)	Consistent with structure and shows < 1% of any other impurity	Complies
Identification (Mass Spectrometry)	Electrospray positive analysis shows mass ion corresponding to $[M+2HCl+H]^+$	Mass ion: 377.2
Purity (HPLC)	> 99% BY RP analysis	Complies
TLC	Single spot, $R_f = 0.51$	Complies
Solubility	Soluble in water to 100mM	Complies

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