



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-203136
Lot Number: SAMPLE
Product Name: Mitoxantrone Dihydrochloride
CAS Number: 70476-82-3
Molecular Formula: $C_{22}H_{28}N_4O_6 \cdot 2HCl$
Molecular Weight: 517.5

Test	Specification	Result
Appearance	Dark blue powder	Complies
Assay	97 - 102%	99.32%
Identification	UV, IR: Conforms to structure Color reaction: Purple reaction Chloride reaction: Positive	Complies
pH	3.0 - 5.5	4.8
Residue on Ignition	$\leq 0.2\%$	0.07%
Solubility	Sparingly soluble in water; Slightly soluble in methanol; Practically insoluble in acetone.	Complies
Heavy Metals	≤ 20 ppm	Complies
Related Substances	Single Impurity $\leq 1.0\%$ Total Impurities $\leq 2.0\%$	0.29% 0.89%
Alcohol	$\leq 0.5\%$	0.18%
Water Content	$\leq 6.0\%$	3.1%

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