



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-500892
Lot Number: SAMPLE
Product Name: Streptonigrin
CAS Number: 3930-19-6
Molecular Formula: $C_{25}H_{22}N_4O_8$
Molecular Weight: 506.46
Native Source: *Streptomyces* sp.

Test	Specification	Result
Appearance	Dark brown powder	Complies
Identification (1H -NMR)	Consistent with structure	Complies
Purity (HPLC)	$\geq 98.0\%$	98.5%
Solubility	Clear dark brown solution at 1.90 - 2.10 mg/ml in $CHCl_3$ /MeOH 1: 1	Clear dark brown solution at 2.00 mg/ml in $CHCl_3$ /MeOH 1: 1 with heating
Carbon Content	58.78% - 59.78%	59.43%
Nitrogen Content	10.56 - 11.56%	10.73%
Water Content (KF)	$\geq 0.00\%$	2.20%

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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