



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-504611
Lot Number: SAMPLE
Product Name: Capsorubin
CAS Number: 470-38-2
Molecular Formula: $C_{40}H_{56}O_4$
Molecular Weight: 600.87

Test	Specification	Result
Appearance	Reddish brown solid	Complies
Identification (1H-NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity	$\geq 90.0\%$	95.5%
Purity (HPLC)	$\geq 95.0\%$	97.2%
Elemental Analysis	Consistent with structure	Complies
Residual Solvents		0.8% diethyl ether and 0.5% dichloromethane (by NMR)
Impurity		RT 5.13, 0.26%; RT 7.83, 0.59%; RT 10.99, 1.12% (by HPLC)
Water Content (KF)		0.4%

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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