



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-478489
Lot Number: SAMPLE
Product Name: Nitrocefin
CAS Number: 41906-86-9
Molecular Formula: $C_{21}H_{16}N_4O_8S_2$
Molecular Weight: 516.50
Native Source: Synthetic

Test	Specification	Result
Appearance		Very dark orange solid
Identification (1H-NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (TLC)		> 90%
Melting Point		> 137 °C (dec.)
Specific Rotation		-133.5° (c = 0.1, Methnol)
Carbon Content	48.83%	47.98%
Hydrogen Content	3.12%	2.85%
Nitrogen Content	10.85%	10.66%

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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