



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-499783
Lot Number: SAMPLE
Product Name: N-Desmethyl Sildenafil Hemicitrate
CAS Number: 139755-82-1 (free base)
Molecular Formula: $C_{48}H_{64}N_{12}O_{15}S_2$
Molecular Weight: 1113.22

Test	Specification	Result
Appearance		White solid
Identification (1H -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (TLC)		95%
Atmosphere		Air
Melting Point		175 - 177 °C
Solubility		DMSO (Slightly), Methanol (Very Slightly, Sonicated)
Carbon Content	51.79%	47.82%
Hydrogen Content	5.79%	5.67%
Nitrogen Content	15.10%	13.81%

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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