



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-489182
Lot Number: SAMPLE
Product Name: Linaclotide Ammonium Salt
CAS Number:
Molecular Formula: $C_{59}H_{79}N_{15}O_{21}S_6 \cdot x(NH_3)$
Molecular Weight: 1526.74

Test	Specification	Result
Appearance	White to off-white solid	Complies
Identification (NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (HPLC)		94.67% (220 nm)
Purity (TLC)		95%
Specific Rotation		-204.0° (c = 0.1, Water)
Ammonium		1.66% by Ion Chromatography
Carbon Content	45.65% (for x = 1.5)	39.79%
Hydrogen Content	5.42% (for x = 1.5)	5.34%
Nitrogen Content	14.89% (for x = 1.5)	13.07%
Water Content (KF)		14.0%

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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