



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-201289
Lot Number: SAMPLE
Product Name: Actinonin
CAS Number: 13434-13-4
Molecular Formula: $C_{19}H_{35}N_3O_5$
Molecular Weight: 385.50
Native Source: Synthetic

Test	Specification	Result
Appearance	White to off-white powder	White powder
Identification (Mass Spectrometry)	Consistent with standard reference	Complies
Identification (TLC) (1)		Rf: 0.75 Single spot
Identification (TLC) (2)		Rf: 0.67 Single spot
Purity (HPLC)	$\geq 98.0\%$	98.3%
Solubility	50 mg/ml in 100% ethanol	Complies
Optical Rotation ($\alpha_{25/D}$)	$-51.0^\circ \pm 3.0^\circ$ (c = 1%, in MeOH)	-51.9°

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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