



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-203153
Lot Number: SAMPLE
Product Name: Naloxone hydrochloride
CAS Number: 357-08-4
Molecular Formula: $C_{19}H_{21}NO_4 \cdot HCl$
Molecular Weight: 363.84

Test	Specification	Result
Appearance		White solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity		99.5%
TLC		R _f : 0.73 (DCM: MeOH: NH ₃ 20: 1: 0.1)
Melting Point		138 °C
Solubility		Soluble in water at 15.0 mg/ml and DMSO at 20.0 mg/ml
Carbon Content	58.39%	58.30%
Hydrogen Content	6.45%	6.36%
Nitrogen Content	3.58%	3.33%

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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