



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-473941
Lot Number: SAMPLE
Product Name: Simvastatin Hydroxy Acid Sodium Salt
CAS Number: 101314-97-0
Molecular Formula: $C_{25}H_{38}O_6 \cdot Na$
Molecular Weight: 458.56

Test	Specification	Result
Appearance		Pale pink solid
Identification (1H -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (TLC)		98%
Atmosphere		Inert gas
Melting Point		> 158.0 °C (dec.)
Solubility		DMSO, water
Specific Rotation		+223.33° (c = 0.21, water)
Carbon Content	65.48%	63.75%
Hydrogen Content	8.57%	8.76%
Sodium Content		4.91%
Water Content (KF)		5.05%

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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