



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-214398
Lot Number: SAMPLE
Product Name: 7-Dehydrocholesterol
CAS Number: 434-16-2
Molecular Formula: $C_{27}H_{44}O$
Molecular Weight: 384.64

Test	Specification	Result
Appearance (Color)	White to faint yellow	Faint yellow
Appearance (Form)	Powder or crystals	Powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 98.0\%$	99.7%
Concentration		C = 1 in $CHCl_3$
Melting Point	142 - 151 °C	149 °C
Solubility		Soluble in $CHCl_3$ at 50 mg/ml
Solution (Color)	Colorless to greenish-yellow	Faintly brownish-yellow
Solution (Turbidity)	Clear to very faintly turbid (< 12.5 NTU)	Clear (< 3.5 NTU)
Specific Rotation ($\alpha_{20/D}$)	$-116.0 \pm 6.0^\circ$	-119.9°

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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