

3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sial.com
sigma-aldrich.com

ProductInformation

CHOLECALCIFEROL SIGMA REFERENCE STANDARD

Product No. C9774

Lot No: 015K8800 CAS No: 67-97-0

Storage Temperature: ≤ 8°C Synonyms: 9,10-Secocholesta-5,7,10(19)-trien-3-ol,

 $(3\beta, 5Z, 7E)$ -.

Formula: $C_{27}H_{44}O$

Formula Weight: 384.65

Product Description

This product meets USP specifications (Current through USP 28, 1st Supplement), and is traceable to USP Reference Standard lot M0B157.

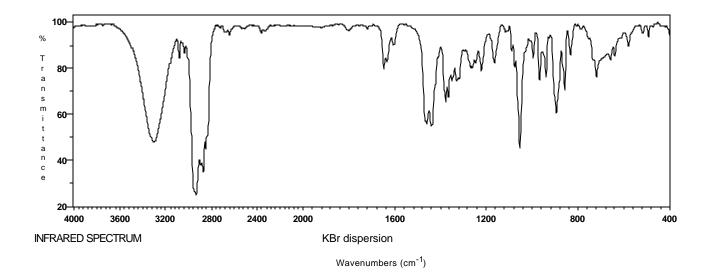
Ampule sealed under argon. Protect from light. Store sealed ampule at $\leq 8^{\circ}$ C. Bring ampule to room temperature before opening and use promptly. Do not dry. Discard unused material.

TEST	USP 28 SPECIFICATIONS	Result Sigma R.S. Lot 015K8800
Infrared absorption spectrum KBr dispersion 〈197K〉	compares to standard	Conforms to USP standard Lot M0B157
Ultraviolet absorption spectrum 10 μg/mL in alcohol (197U)	absorptivities at 265 nm differ by not more than 3.0%	Passes
Identification test C Color test	bright red color is produced and rapidly changes through violet and blue to green	Passes
Identification test D Thin-layer chromatography (621)	compares to standard	Passes
Organic Volatile Impurities Method IV (467)	meets the requirements	Passes
Specific rotation, [α] _D ²⁵ 5 mg/ml solution in alcohol ⟨781S⟩	between + 105° and + 112°	+111°
Assay — high pressure liquid chromatography (621)	not less than 97.0% and not more than 103.0%	99.6%

See reverse side for IR and UV spectrum of Sigma Reference Standard.

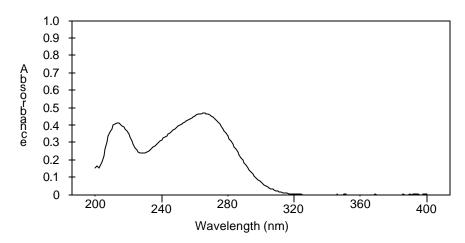
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ULTRAVIOLET SPECTRUM

10.0 μg/mL in alcohol



12/2004

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply.

Please see reverse side of the invoice or packing slip.

This product in not for in Vitro Diagnostic Procedures.