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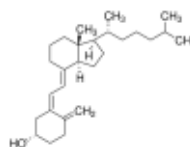
Email USA: techserv@sial.com

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Product Specification

Product Name:
Cholecalciferol - analytical standard

Product Number: C9774
CAS Number: 67-97-0
MDL: MFCD00078131
Formula: C₂₇H₄₄O
Formula Weight: 384.64 g/mol
Storage Temperature: 2 - 8 °C



TEST	Specification
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Infrared spectrum	Compares to Reference Standard
Identification B by UVVIS, Absorptivities do not differ by more than 3.0%	Pass
Identification C Color Test: A bright red color is produced, and it rapidly changes through violet and blue to green.	Pass
Identification D by TLC	Compares to Reference Standard
Specific Rotation (+)	105 - 112 °
Assay	97.0 - 103.0 %
Residual Solvents	Meets Requirements
Note This product meets USP specifications and is traceable to USP Reference Standard	-----
Recommended Retest Period 3 years	-----

Specification: PRD.1.ZQ5.10000075458

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.