

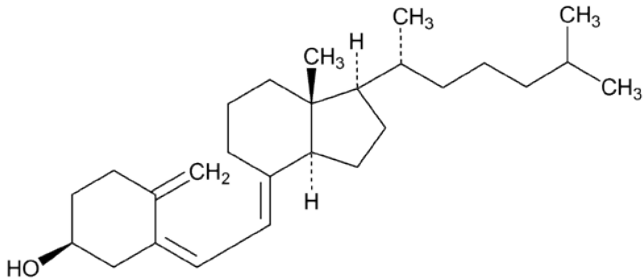
# Certificate

## CHOLECALCIFEROL

*(9,10-Secocholesta-5,7,10(19)-trien-3-ol, (3 $\beta$ ,5Z,7E)-)*

USP Catalog No.: 1131009

USP Lot No.: Q0M510

	CAS No. 67-97-0	
	Molecular Formula	C <sub>27</sub> H <sub>44</sub> O
	Molecular Weight	384.64

**LABEL TEXT**

**USP REFERENCE STANDARD**

**CHOLECALCIFEROL 5 x 30 mg**

For use with specified USP compendial tests.  
Not for use as a drug. See SDS prior to use at [www.usp.org/sds](http://www.usp.org/sds).



For quantitative applications use a value of 0.996 mg of cholecalciferol per mg of material on the as is basis. Store in a freezer. Protect from light. Allow to attain room temperature, open the ampule and use the material promptly. Discard any unused portion after opening.

**Danger! Fatal if swallowed. Fatal in contact with skin. Fatal if inhaled.**  
Causes damage to organs (kidney, bone) through prolonged or repeated exposure.

Use only outdoors or in a well-ventilated area. Do not breathe dust/fume. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wear protective gloves/protective clothing. In case of inadequate ventilation wear respiratory protection. If exposed: Immediately call a poison center/doctor. If swallowed: Rinse mouth. If on skin: Wash with plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

**KEEP AMPULE IN SECONDARY CONTAINER!**

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666  
CAT. NO. 1131009

LOT: Q0M510



*Jeri L. Joth*

*Quality Assurance*

**Calculation Value**

Unless otherwise stated on the Reference Standard label, a value of 100.0% should be used in the compendial applications for which the use of this Reference Standard is intended. Please refer to the specific Reference Standard label for further information.

**Expiration**

Current lots are identified in the current USP Catalog. In some cases, the previous lot may still be considered valid for use. If so, it is identified in the column marked "Previous Lot/Valid Use Date."

It is the responsibility of each user to determine that this lot is current or valid when used. For the most up-to-date information, please refer to the USP Store at [www.usp.org](http://www.usp.org).

**Instructions for Use**

Follow the instructions on the label of the USP Reference Standard and in the appropriate USP documentary standard(s).

**Non-Monograph Use**

The suitability of this Reference Standard for use in non-compendial applications is solely the responsibility of the user.

**LEGAL NOTICE**

USP WARRANTS GOOD TITLE TO USP REFERENCE STANDARDS ON DISPATCH FROM USP. THE FOREGOING WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY THAT THE PRODUCTS, INCLUDING THIS CERTIFICATE, ARE OF MERCHANTABILITY QUALITY. USP'S LIABILITY ARISING OUT OF OR RELATING TO THE SUPPLY OF USP REFERENCE STANDARDS AND THIS CERTIFICATE SHALL IN NO EVENT INCLUDE LOSS OF PROFITS, COST OF PROCURING SUBSTITUTE GOODS OR SERVICES, OR ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES OF ANY KIND, EVEN IF USP IS AWARE OF THE POSSIBILITY OF SUCH DAMAGES. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, USP DOES NOT WARRANT THAT THE USE OR RESALE OF USP REFERENCE STANDARDS, INCLUDING THEIR USE TO PERFORM TESTS AND ASSAYS PUBLISHED BY USP, WILL NOT INFRINGE UNITED STATES OR ANY OTHER PATENTS.

USP Reference Standards are not intended for use as drugs, dietary supplements, or as medical devices.

This certificate may not be reproduced without the express written permission of USP.