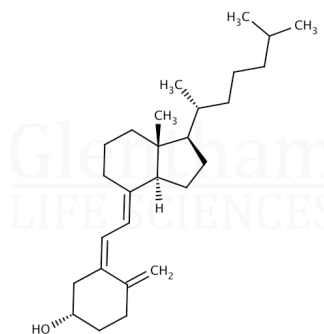


## Certificate of Analysis

Product Name Cholecalciferol  
Glentham Code GV0048  
CAS Number 67-97-0  
EINECS 200-673-2  
MDL Number MFCD00078131  
PubChem SID 310270176  
Batch Number 801CXA

Molecular Weight 384.65  
Molecular Formula  $C_{27}H_{44}O$   
Storage Temp. +4°C



Property	Specification	Batch 801CXA
Physical Description	White to almost white crystalline powder	Almost white crystalline powder
Identification (IR)	To conform to standard	Conforms to standard
Solubility (5% in ethanol)	Clear, colourless to faint yellow solution	Clear, colourless solution
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	+105.0 - +112.0 ° (c=0.5, ethanol)	109.3°
Heavy Metals	≤ 20ppm	Conforms
Assay	97.0 - 103.0 %	98.3%

Specification Version v1.2  
Manufacture Date 2023-11-02  
Re-Test Date 2028-01-15

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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