



# Certificate of analysis

Product name: Vitamin D3

Cas number: 67-97-0

Molecular Formula: C<sub>27</sub>H<sub>44</sub>O

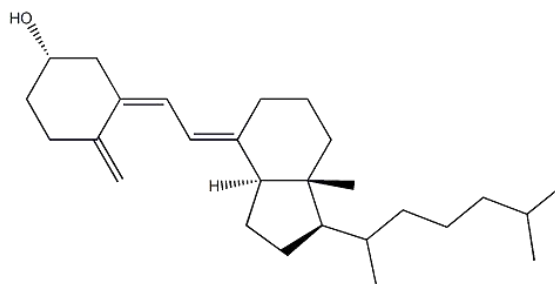
Molecular Weight: 384.64

Date of production: Oct. 06, 2019

Batch NO: 20191006

EXP DATE: Oct. 05, 2021

Chemical structure:



Items	Specifications	Test results
Description	A white crystalline powder	complies
Identification	HNMR HPLC	complies
Related Substances	7-Dehydrocholesterol ≤ 0.5%	complies
	single largest impurity ≤ 0.1%	complies
	Total impurities ≤ 1.0%	complies
Pb	≤ 2mg/kg	complies
As	≤ 2mg/kg	complies
Specific optical rotation	+10.5° ~ +112.0 °	+106.53°
Assay(HPLC)	97.0%~103.0%(以C <sub>27</sub> H <sub>44</sub> O)	98.52%

**Product Description:** The crystal product consists of 40,000,000IU/G of Vitamin D3(USP)

**Conclusion:** It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang