



# Certificate of analysis

Productname: Alfacalcidol

Cas number: 41294-56-8

Molecular Formula: C<sub>27</sub>H<sub>44</sub>O<sub>2</sub>

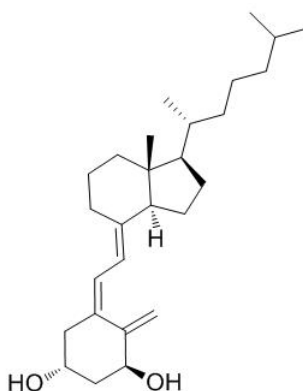
Molecular Weight: 400.64

Date of production: Aug. 12, 2020

Batch NO: 20200812

Exp Date: Aug. 11, 2022

Chemical structure:



Items	Specifications	Test results
Appearance	White or almost white crystalline powder.	Conform
Solubility	practically insoluble in water, freely soluble in ethanol (96 per cent), soluble in fatty oils.	Conform
Melting point	138°C ~ 142°C	Conform
Identification	A. IR	Conform
	B. HPLC	Conform
Related substances	Individual impurities: ≤0.5% Total impurities ≤1.0%	Conform 0.33%
Purity	≥99.0%	99.67%
Assay (by HPLC)	97.0% ~ 102.0%	99.0%

**Conclusion: It complies with the EP7.0 Standard.**

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F