



Certificate of analysis

Productname: Calcipotriene

Cas number: 112828-00-9

Molecular Formula: $C_{27}H_{40}O_3$

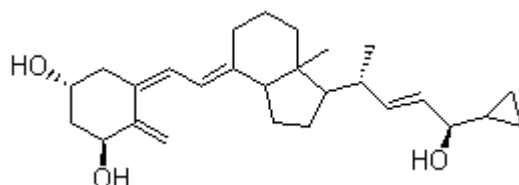
Molecular Weight: 412.6047

Date of production: Sep. 25, 2017

Batch NO: 20170925

Exp Date: Sep. 24, 2019

Chemical structure:



Items	Specifications	Test results
Appearance	White or almost white crystalline powder	Conform
Solubility	Practically insoluble in water, freely soluble in ethanol(96%), slightly soluble in methylene chloride	Conform
Identification	IR	Conform
Related substances(TLC)	Impurity A: $\leq 0.25\%$	Conform
	Sum of Impurity G and Impurity H $\leq 0.25\%$	Conform
	Any other impurity: $\leq 0.1\%$	Conform
Related substances(HPLC)	Impurity B: $\leq 0.5\%$	0.45%
	Impurity C $\leq 1.0\%$	0.47%
	Impurity D $\leq 1.0\%$	0.95%
	Any other impurity: $\leq 0.1\%$	Conform
	Total impurities: $\leq 2.5\%$	1.96%
Water	3.3-5.0%	3.5%
Assay (HPLC)	95.5-102.0%	98.2%

Conclusion: It complies with the EP5.3 Standard.

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F