



Certificate of analysis

Product name: Cyclosporin D

Cas number: 63775-96-2

Molecular Formula: $C_{63}H_{113}N_{11}O_{12}$

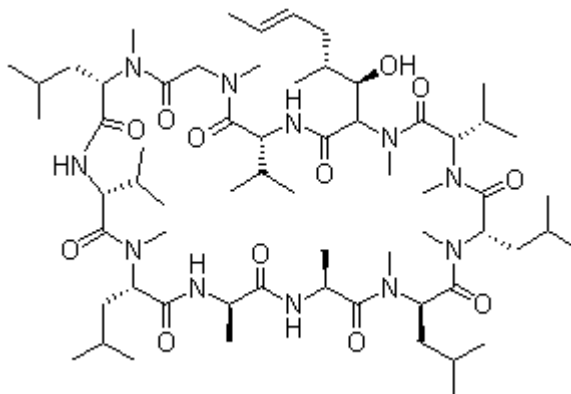
Molecular Weight: 1216.66

Date of production: June. 24, 2019

Expiry Date: June. 23, 2021

Batch NO: 20190624

Chemical structure:



Items	Specifications	Results
Description	Amorphous white powder	Conform
Melting point	148~151° C	149° C
Heavy metal	≤0.002%	Conform
Total impurity	≤10.0%	4.4%
Purity(HPLC)	≥90.0%	95.6%

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F