



Certificate of analysis

Productname: **Daptomycin**

Cas number: 103060-53-3

Molecular Formula: $C_{72}H_{101}N_{17}O_{26}$

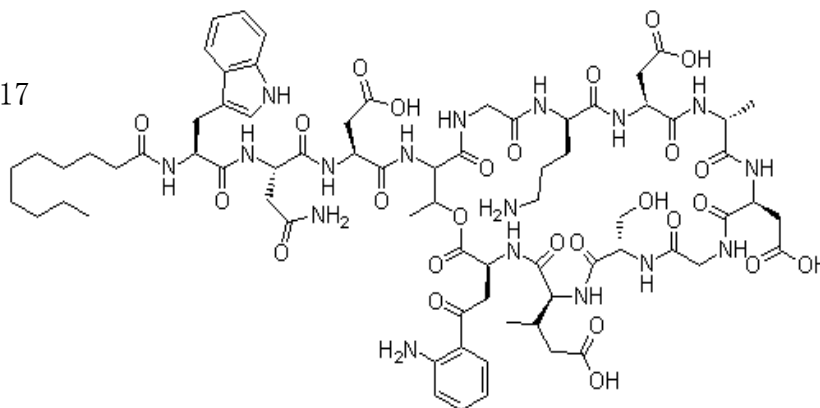
Molecular Weight: 1620.67

Date of production: Nov. 28, 2017

Batch NO: 20171128

Exp Date: Nov. 27, 2019

Chemical structure:



Items	Specifications	Results
Appearance	Yellow or pale yellow amorphous powder	Conforms
Identification	HPLC, IR, UV	Conforms
Specific Rotation	+17° ~+25°	+21.6°
PH	4.0~5.0	4.78
Residue on ignition	≤4.0%	3.27%
Related Substances(HPLC)	Anhydro-datomycin ≤2.5%	0.48%
	β-Isomer ≤2.0%	0.55%
	Lactone hydrolysis product ≤1.0%	0.42%
	Any other impurity ≤1.0%	<1.0%
	Total impurities ≤4.0%	3.08%
Residual Organic Solven	Ethanol ≤1.0%	Absent
	Isopropanol ≤0.5%	Absent
Heavy Metals	≤20PPM	<20PPM
Water	≤10.0%	2.86%
Assay(on the anhydrous basis)	≥93.0%	99.3%
Bacterial Endotoxin	<1.25EU/MG	<0.1EU/MG

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F

