



# Certificate of analysis

Product name:Casposfungin acetate

CAS NO:179463-17-3

Molecular Formula:C<sub>52</sub>H<sub>88</sub>N<sub>10</sub>O<sub>15</sub>·2(C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>)

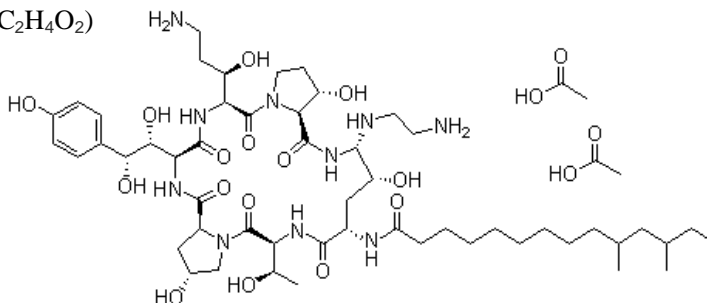
Molecular Weight: 1213.42

Date of production:Aug.18,2017

Batch NO:20170818

Exp Date:Aug.17,2019

Chemical structure:



Items	Specifications	Test results
Description	White or almost white powder	complies
Identification	IR HPLC	complies
PH	5.0~7.0	6.5
Water	≤10.0	7.50%
Solution color and clarity	Solution should be clear colorless	complies
Related substances I	Impurity A ≤0.1% Impurity B ≤0.1% Impurity D ≤0.3% Impurity E ≤0.1% Unspecified impurity F ≤0.1% Unspecified impurity G ≤0.1% Pneumocandin BO ≤0.1% Each of unspecified impurity ≤0.1% Total impurity ≤1.0%	ND ND 0.17% ND 0.03% ND ND 0.04% 0.24%
Related substances II	Impurity C ≤0.1%	0.03%
Heavy Metals	≤10ppm	complies
Acetic acid	9.0%~11.0%(calculated on anhydrous basis)	10.1%
Ethanediamine	≤0.1%	0.02%
Residual solvents	Methanol:≤ 3000ppm Ethanol:≤5000ppm Acetonitrile: ≤ 410ppm Ethyl acetate: ≤5000ppm Tetrahydrofuran:≤720ppm	ND 3250PPM 6PPM 268PPM ND
Residue on ignition	≤0.1%	0.05%
Bacterial Endotoxins	<2EU/mg	complies
Microbial Limit	Total Aerobic ≤100cfu/g Total Yeasts and Molds ≤100cfu/g	complies
Assay	97.0%~102.0%(calculated on anhydrous and solvents-free basis)	99.7%

Store in a tight container at -20° C

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

Analyst:Zhao

Checker:Liu

Q.C Director. Fang