



# Certificate of analysis

Product name: Valrubicin

Cas number: 56124-62-0

Molecular Formula: C<sub>34</sub>H<sub>36</sub>F<sub>3</sub>NO<sub>13</sub>

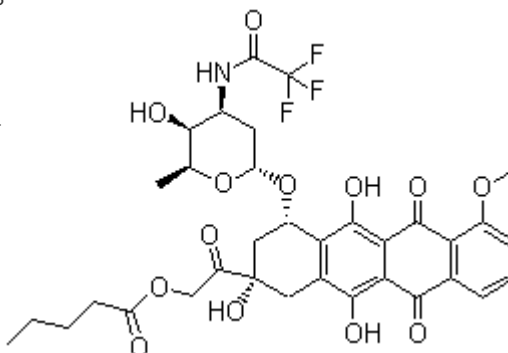
Molecular Weight: 723.64

Date of production: Jan. 22, 201

Batch NO: 20160122

Exp Date: Jan. 21, 2018

Chemical structure:



Items	Specifications	Results
Appearance	Orange red or red crystalline powder	Conforms
Identification A	IR spectrun corresponds to the IR spectrum of the reference standard	Conforms
Identification B	T The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay	Conforms
Residue on ignition	≤0.2%	0.09%
Water	≤0.5%	0.20%%
Assay (PHLC)	98.0%-102.0%	98.8%

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

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F