



Certificate of analysis

Product name: Etoposide phosphate

Cas number: 117091-64-2 (122332-48-3)

Molecular Formula: C₂₉H₃₃O₁₆P

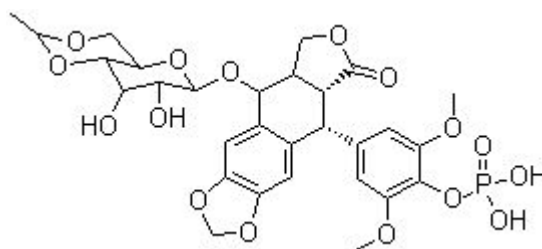
Molecular Weight: 668.54

Date of production: Nov.08,2012

Batch NO: 20121108

Exp Date: Nov.07,2014

Chemical structure:



Items	Specifications	Results
Appearance	White and formless powder or crystalline powder	Conforms
Specific Rotation	$[\alpha]_{20D} = -87^{\circ} \sim -93^{\circ}$	-92°
Related substance(HPLC)	$\leq 2.0\%$	1.65%
Water	$\leq 6.0\%$	0.9%
Residue on ignition	0.1%	0.05%
Heavy metals	$\leq 20\text{ppm}$	Conforms
Assay(HPLC)	97.0%~103.0%	98.7%

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F

