



Certificate of analysis

Product name: Estriol

Cas number: 50-27-1

Molecular Formula: $C_{18}H_{24}O_3$

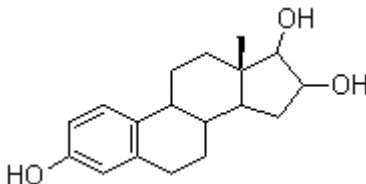
Molecular Weight: 288.38

Date of production: Mar. 16, 2014

Batch NO: 20140316

EXP DATE: Mar. 15, 2016

Chemical structure:



Items	Specifications	Results
Description	white or almost white, odorless, crystalline powder	White crystalline odorless powder
Identification	1) By Uv-vis spectrophotometry, the product solution and reference substance solution of the maximum and minimum absorption wavelength consistent 2) Infrared absorption spectrophotometry should be consistent with the reference	Conform
Clarity of solution	Solution completely clarified and no insoluble solid	Conform
Specific Rotation	+ 54° ~ +62°	+58°
Loss on drying	NMT 0.5%	0.24%
Related Substances	Total impurities NMT 2.0%	Conform
Residual solvents	Acetone NMT 5.0%	N.D
Residue on ignition	NMT 0.1%	0.08%
Heavy metal	NMT 20ppm	Conform
Assay	97.0%~102.0%	100.1%

Conclusion: It complies with the USP35 Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang