



Certificate of analysis

Product name: Lynestrenol

Cas number: 52-76-6

Molecular Formula: C₂₀H₂₈O

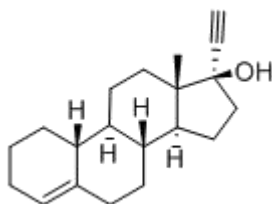
Molecular Weight: 284.44

Date of production: Jun. 07, 2019

Batch NO: 20190607

EXP DATE: Jun. 06, 2021

Chemical structure:



Items	Specifications	Results
Description	White or almost white crystalline powder	Conform
Identification	HNMR HPLC	Conform
Solubility	Practically insoluble in water, soluble in acetone and in ethanol (96 percent)	Conform
Appearance of solution	Dissolve 0.2g in ethanol (96 percent) R and dilute to 10ml with the same solvent. The solution is clear and colorless	Conform
Specific rotation	-9.5° ~ -11.0°	-10.7°
Loss on drying	≤0.5%	0.11%
Related substances(GC)	Impurity A: 19-nor-5α,17α-pregn-3-en-20-yn-17-ol ≤0.3% Impurity B: 19-norpregn-4-en-20-yn-17-ol ≤0.1% Impurity C: 19-nor-17α-pregna-4,20-dien-17-ol ≤0.2% Degrdant (RRT ≈ 0.97) ≤0.1% Unspecified impurities ≤0.1% Total impurities ≤1.0%	0.11% N/D N/D N/D N/D 0.11%
Particle size	90% ≤ 20 microns	Conform
Assay	98.0 ~ 102.0%	99.1%

Conclusion: It complies with the BP2015 Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang