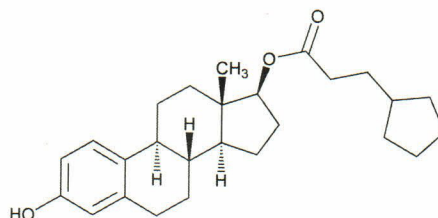


Batch no 260501
Mf date May 10 2026
Expiry May 09 2030
Batch size 30 kg

Molecular Structure



Molecular Formula $C_{26}H_{36}O_3$
Molecular Weight 396.56
CAS Registry Number 313-06-4

Jun 15 2026

Tests	Specifications	Results
Appearance	White powder	Conforms
Solubility	Soluble in alcohol, in acetone, in chloroform, and in dioxane; sparingly soluble in vegetable oils; insoluble in water.	Conforms
Identification	IR, UV	Positive
Melting range	149 ~ 153°C	151.8 ~ 152.7°C
Specific optical rotation	+39 ~ +44°	+39.2°
Loss on drying	≤ 1.0%	0.12%
Residue on ignition	≤ 0.2%	0.1%
Related substances	Estradiol ≤ 0.15%	ND
	Estradiol-9-ene cypionate ≤ 0.15%	0.036%
	4-Meylestradiol cypionate ≤ 0.15%	ND
	Estradiol dicyponate ≤ 0.15%	ND
	Unspecified impurities ≤ 0.1%	Conforms
Residual solvents	Methanol ≤ 3000 ppm	86.15 ppm
	Ethyl acetate ≤ 5000 ppm	231 ppm
	Toluene ≤ 890 ppm	ND
	Ethanol ≤ 5000 ppm	82.3 ppm
	Heptane ≤ 5000 ppm	75.57 ppm
Particle size	----	90% ≤ 20 μm
Assay	97.0 ~ 103.0% of $C_{23}H_{32}O_3$	99.76%

Packaging & storage	Preserve in tight, light-resistant containers
Conclusion	Material complies with USP43

