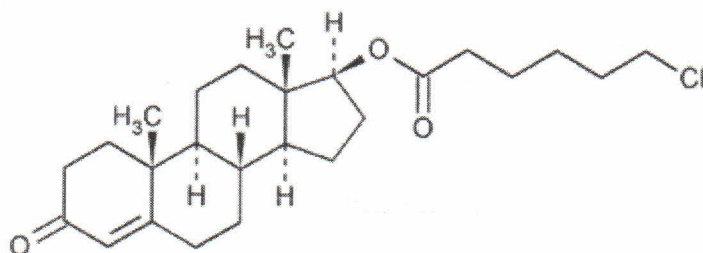


Batch no TSE/25002  
Mf date Mar 2025  
Retest Feb 2030

Molecular Structure



Molecular Formula  $C_{26}H_{40}O_3$   
Molecular Weight 400.59  
CAS Registry Number 315-37-7

Apr 30 2025

Tests	Specifications	Results
Appearance	White or creamy white crystalline powder, is odorless or has a faint odor characteristic of heptanoic acid	White crystalline powder
Solubility	Very soluble in ether; soluble in vegetable oils; insoluble in water	Conforms
Identification	IR, UV	Positive
Melting range	34 ~ 39°C	35°C
Specific rotation (20 mg/mL in dioxane)	+77 ~ +82°	+81.1°
Water	≤ 0.5%	0.33%
Free heptanoic acid	≤ 0.6 mL of 0.01N sodium hydroxide required	0.4 mL
Related substances	The single impurity ≤ 1.0% Total impurities ≤ 2.0%	Conforms Conforms
Assay	97.0 ~ 103.0% of $C_{26}H_{40}O_3$	99.3%

Packaging & storage	Preserve in well-closed containers, and store in a cool place, store at 2 ~ 8°C
Conclusion	Material complies with USP