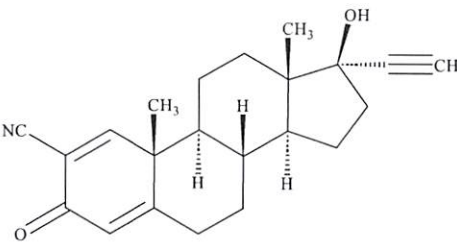


Certificate of Analysis



Certificate No.: **20260624518**

Date: June 24, 2026

Retest date: June 19, 2029

Compound Name:	Danazol Impurity 5	
Synonyms:	(8R,9S,10S,13S,14S,17R)-17-ethynyl-17-hydroxy-10,13-dimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[<i>a</i>]phenanthrene-2-carbonitrile	
TLC Catalogue Number:	D-217007	
CAS Number:	N/A	
Alternate CAS Number:	N/A	
Molecular Weight:	335.45	
Molecular Formula:	C ₂₂ H ₂₅ NO ₂	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	C0282-078A8	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Methanol, DMSO	

Test Description	Specifications	Results
Visual Description	Pink solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.8%
Impurity (HPLC)	N/A	
Water Content (KF)	N/A	0.2%
Residual Solvents (NMR)	0.3% methanol	
Assay (%)	Not less than 90.0%	99.3%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/24/2026
Approved by:	Quality Assurance		06/24/2026

Attachments: Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.