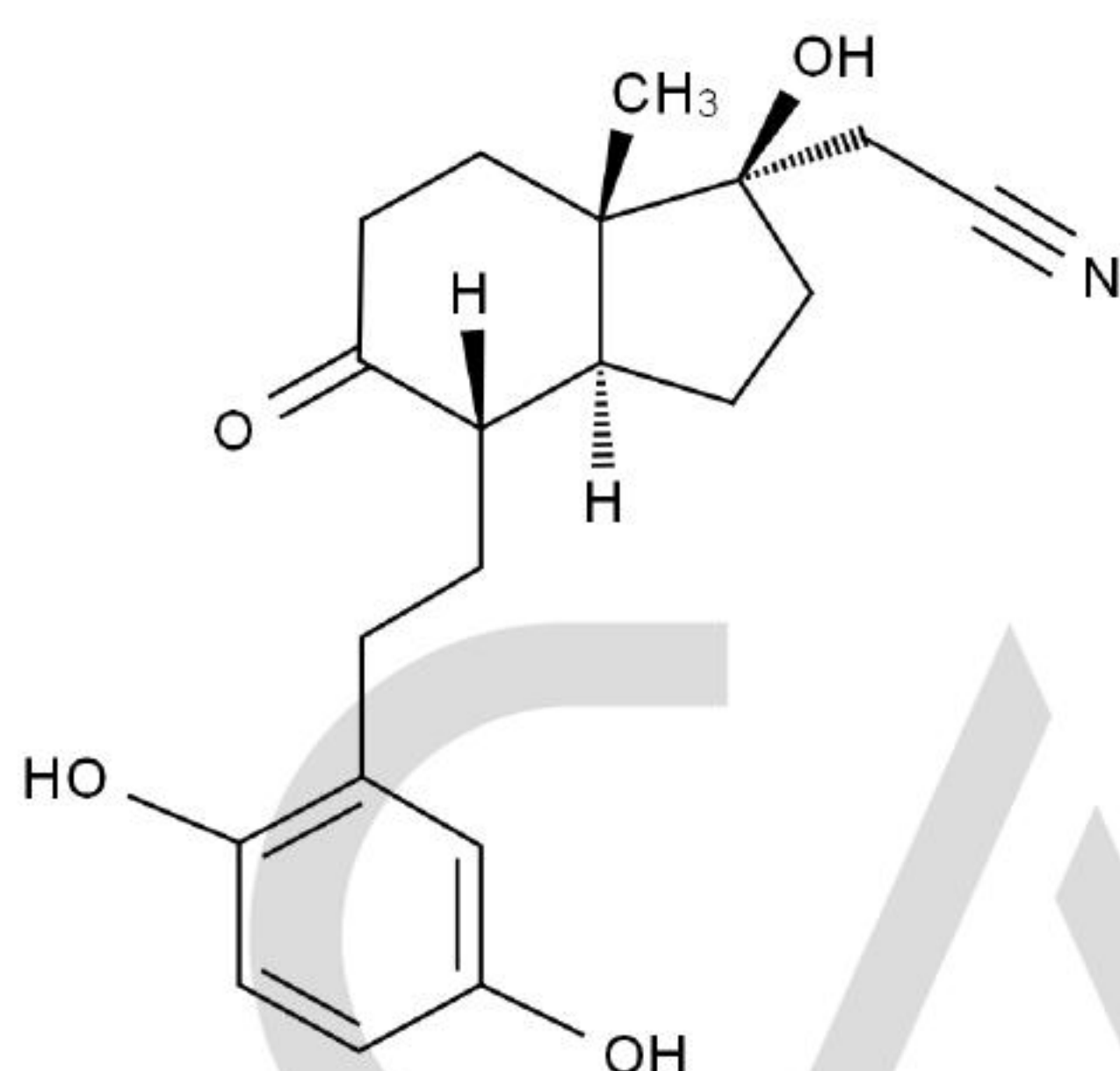


Certificate of Analysis

Reference Material & Standard

Product Name:	Dienogest Impurity 15	Catalogue Number:	C4X-229515
Synonyms:	N/A	Lot Number:	0304-RG-0007
CAS Number:	N/A	Expiry Date:	Dec 04, 2026
Molecular Formula:	C ₂₀ H ₂₅ NO ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	343.42		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.1733%
Water Content	Karl Fischer	0.10%
Residual Solvents	NMR	0.2% methanol
Optical Rotation		[α] _D ^{25.0} (c=0.58,pyridine): -1.0°
Assay		98.9%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) /100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Mar 05, 2025

Date: Mar 05, 2025

Date: Mar 05, 2025

