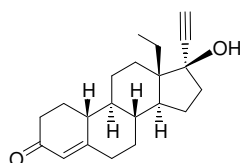


Certificate of Analysis

Axon Catalogue ID: 2065 **Batch Number:** 1
Product Name: Levonorgestrel
Alternative Name(s): N.A.
IUPAC Name: (8R,9S,10R,13S,14S,17R)-13-Ethyl-17-ethynyl-17-hydroxy-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3(2H)-one

Structure:



Amount:

CAS number(s): 797-63-7
Molecular Formula: C₂₁H₂₈O₂ **Molecular Weight:** 312.45
Batch Molecular Formula: C₂₁H₂₈O₂ **Batch Molecular Weight:** 312.45
Appearance: White solid **Observed mp:** 238 - 241 °C
TLC (R_f): 0.78 DCM/MeOH (9:1)
Chemical Purity: 99.7%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 80.73, H 9.03, N 0.00; Found: C 80.44, H 9.20, N <0.10
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	28.3	90.6	
	EtOH	3.0	9.6	

Remarks:

QC Date: 07-03-2019

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only