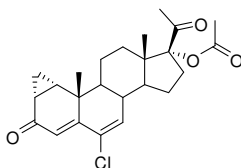


Certificate of Analysis

Axon Catalogue ID: 3883 **Batch Number:** 1
Product Name: Cyproterone acetate
Alternative Name(s): SH714
IUPAC Name: (2aR,3aS,3bS,5aS,6R)-6-Acetyl-10-chloro-3b,5a-dimethyl-2-oxo-2,2a,3,3a,3b,3c,4,5,5a,6,7,8,8a,8b-tetradecahydrocyclopenta[a]cyclopropa[g]phenanthren-6-yl acetate

Structure:



Amount:

CAS number(s): 427-51-0
Molecular Formula: C₂₄H₂₉ClO₄ **Molecular Weight:** 416.94
Batch Molecular Formula: C₂₄H₂₉ClO₄ **Batch Molecular Weight:** 416.94
Appearance: White solid **Observed mp:** 208.9 - 210.1 °C
TLC (R_f): 0.4 Hex/EtOAc (1:1)
Chemical Purity: 100%
Optical Purity (ee): Optically pure
Optical Rotation (Det.): [α]_D = +165.5° with c = 1 in CHCl₃
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.14, H 7.01, N 0.00; Found: C 69.11, H 7.11, N <0.10
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	41.7	>100 mM	
	EtOH	21.0	50.4	

Remarks:

QC Date: 6-4-2023

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