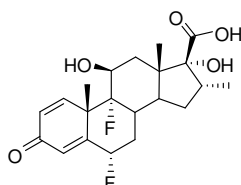




Certificate of Analysis

Axon Catalogue ID: 1170 **Batch Number:** 2
Product Name: Androsta-1,4-diene-17-carboxylic acid, 6,9-difluoro-11,17-
Alternative Name(s): Fluticasone precursor I
IUPAC Name: (6S,9R,10S,11S,13S,16R,17R)-6,9-Difluoro-11,17-dihydroxy-10,13,16-trimethyl-3-oxo-6,7,8,9,10,11,12,13,14,15,16,17-dodecahydro-3H-cyclopenta[a]phenanthrene-17-

Structure:



Amount:

CAS number(s): 28416-82-2
Molecular Formula: C₂₁H₂₆F₂O₅ **Molecular Weight:** 396.42
Batch Molecular Formula: C₂₁H₂₆F₂O₅ **Batch Molecular Weight:** 396.42
Appearance: White solid **Observed mp:** 293 °C
TLC (R_f): 0.9 DCM/MeOH (9:1)
Chemical Purity: 99.1%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure (traces of solvent)
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.62, H 6.61, N 0.00; Found: C ND, H ND, N ND
Storage Conditions: Store at +20 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	22.7	57.2	
	0.1N HCl (aq)			Not Tested
	DMSO	29.0	73.2	
	EtOH	8.3	20.8	

Remarks:

QC Date: 03-06-2020

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