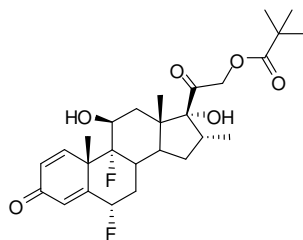




Certificate of Analysis

Axon Catalogue ID: 2247 **Batch Number:** 1
Product Name: Flumethasone pivalate
Alternative Name(s): Locorten; NSC 107680
IUPAC Name: 2-((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]phenanthren-17-yl)-2-oxoethyl pivalate

Structure:



Amount:

CAS number(s): 2002-29-1
Molecular Formula: C₂₇H₃₆F₂O₆ **Molecular Weight:** 494.57
Batch Molecular Formula: C₂₇H₃₆F₂O₆ **Batch Molecular Weight:** 494.57
Appearance: White solid **Observed mp:** 263.6 °C
TLC (R_f): 0.8 DCM/MeOH (9:1)
Chemical Purity: 98.7%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.57, H 7.34, N 0.00; Found: C 65.30, H 7.48, 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)	0.0	0.0	Insoluble
	0.1N HCl (aq)			Not Tested
	DMSO	49.5	>100 mM	
	EtOH	8.7	17.5	

Remarks:

QC Date: 16-08-2019

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