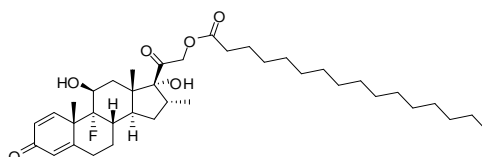


Certificate of Analysis

Axon Catalogue ID: 3345 **Batch Number:** 1
Product Name: Dexamethasone palmitate
Alternative Name(s): DXP
IUPAC Name: 2-((8S,9R,10S,11S,13S,14S,16R,17R)-9-Fluoro-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 palmitate

Structure:



Amount:

CAS number(s): 14899-36-6
Molecular Formula: C₃₈H₅₉FO₆ **Molecular Weight:** 630.87
Batch Molecular Formula: C₃₈H₅₉FO₆.0.25H₂O **Batch Molecular Weight:** 635.37
Appearance: White solid **Observed mp:** 69.9 - 74.3 °C
TLC (R_f): 0.8 DCM/MeOH (20:1)
Chemical Purity: 100%
Optical Purity (ee): Optically pure
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 71.83, H 9.44, N 0.00; Found: C 71.64, H 9.48, N <0.10
Storage Conditions: Store at -20 °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	63.5	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 06-04-2021

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