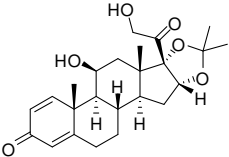




Certificate of Analysis

Axon Catalogue ID:	3502	Batch Number:	1
Product Name:	Desonide		
Alternative Name(s):	Prednacinolone		
IUPAC Name:	(1S,2S,4R,8S,9S,11S,12S,13R)-11-Hydroxy-8-(2-hydroxyacetyl)-6,6,9,13-tetramethyl-5,7-dioxapentacyclo[10.8.0.0.2,9.0.4.8.0]tricyclopentane-14,17-dien-16-one		
Structure:			Amount:
CAS number(s):	638-94-8		
Molecular Formula:	C24H32O6	Molecular Weight:	416.51
Batch Molecular Formula:	C24H32O6	Batch Molecular Weight:	416.51
Appearance:	White solid	Observed mp:	270 °C
TLC (R_f):	0.32	DCM/MeOH (9:1)	
Chemical Purity:	99.6%		
Optical Purity (ee):	Optically pure		
¹H-NMR:	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 69.21, H 7.74, N 0.00; Found: C 69.22, H 7.69, N <0.10		
Storage Conditions:	Store at +4 °C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water	0.0	0.0
	0.1N NaOH (aq)	0.0	0.0
	0.1N HCl (aq)		
	DMSO	41.7	>100 mM
	EtOH	20.0	48.0
Remarks:	Electrostatic.		
QC Date:	17-11-2021		

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