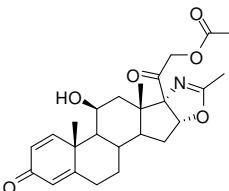




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	4022	<b>Batch Number:</b>	1
<b>Product Name:</b>	Deflazacort		
<b>Alternative Name(s):</b>	N.A.		
<b>IUPAC Name:</b>	[2-[(1S,2S,4R,8S,9S,11S,12S,13R)-11-Hydroxy-6,9,13-trimethyl-16-oxo-5-oxa-7-azapentacyclo[10.8.0.0.02,9.04,8.013,18]icosa-6,14,17-trien-8-yl]-2-oxoethyl] acetate		
<b>Structure:</b>			<b>Amount:</b>
<b>CAS number(s):</b>	14484-47-0		
<b>Molecular Formula:</b>	C25H31NO6	<b>Molecular Weight:</b>	441.52
<b>Batch Molecular Formula:</b>	C25H31NO6	<b>Batch Molecular Weight:</b>	441.52
<b>Appearance:</b>	White solid	<b>Observed mp:</b>	257 °C
<b>TLC (R<sub>f</sub>):</b>	0.22	DCM/MeOH (20:1)	
<b>Chemical Purity:</b>	99.4%		
<b>Optical Purity (ee):</b>	Optically pure		
<b>Optical Rotation (Det.):</b>	[α] <sub>D</sub> = +77.9° with c = 0.5 in CHCl <sub>3</sub>		
<b><sup>1</sup>H-NMR:</b>	Analytical data confirm chemical structure		
<b>Mass Spec:</b>	Analytical data confirm chemical structure		
<b>Microanalysis:</b>	Calculated: C 68.01, H 7.08, N 3.17; Found: C 68.46, H 7.25, N 3.13		
<b>Storage Conditions:</b>	Desiccate at -20 °C		
<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>
	Water	0.0	0.0
	0.1N NaOH (aq)		
	0.1N HCl (aq)		
	DMSO	44.2	>100 mM
	EtOH	19.0	43.0
<b>Remarks:</b>			
<b>QC Date:</b>	23-8-2023		

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**