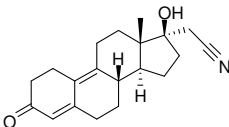


## Certificate of Analysis

<b>Axon Catalogue ID:</b>	3461	<b>Batch Number:</b>	1
<b>Product Name:</b>	Dienogestril		
<b>Alternative Name(s):</b>	Dienogest; STS557		
<b>IUPAC Name:</b>	2-((8S,13S,14S,17R)-17-Hydroxy-13-methyl-3-oxo-2,3,6,7,8,11,12,13,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-17-yl)acetonitrile		
<b>Structure:</b>			<b>Amount:</b>
<b>CAS number(s):</b>	65928-58-7		
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>25</sub> NO <sub>2</sub>	<b>Molecular Weight:</b>	311.42
<b>Batch Molecular Formula:</b>	C <sub>20</sub> H <sub>25</sub> NO <sub>2</sub>	<b>Batch Molecular Weight:</b>	311.42
<b>Appearance:</b>	White solid	<b>Observed mp:</b>	>215 °C (decomp)
<b>TLC (R<sub>f</sub>):</b>	0.66	DCM/MeOH (20:1)	
<b>Chemical Purity:</b>	100%		
<b>Optical Purity (ee):</b>	Optically pure		
<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 77.14, H 8.09, N 4.50; Found: C 77.14, H 8.27, N 4.58		
<b>Storage Conditions:</b>	Store at +4 °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	31.1	>100 mM
	EtOH	3.8	12.2
			* Warming (40°C) and sonication
<b>Remarks:</b>	* Warming (40°C) and sonication enhanced solubility.		

**QC Date:** 13-9-2021

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

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