



## Certificate of Analysis

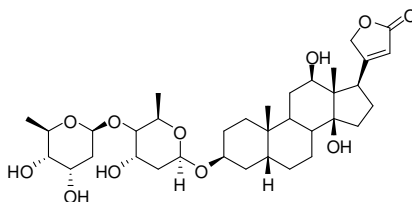
**Axon Catalogue ID:** 1695 **Batch Number:** 1

**Product Name:** Digoxigenin bisdigitoxiside

**Alternative Name(s):** N.A.

**IUPAC Name:** 4-((3S,5R,10S,12R,13S,14S,17R)-3-((2R,4S,6R)-5-((2S,4S,5S,6R)-4,5-Dihydroxy-6-methyltetrahydro-2H-pyran-2-yloxy)-4-hydroxy-6-methyltetrahydro-2H-pyran-2-yloxy)-12,14-dihydroxy-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)furan-2(5H)-one

**Structure:**



**Amount:**

**CAS number(s):** 5297-05-2

**Molecular Formula:** C<sub>35</sub>H<sub>54</sub>O<sub>11</sub> **Molecular Weight:** 650.80

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**Appearance:** White solid **Observed mp:** >155 °C

**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH (9:1)

**Chemical Purity:** 98.1%

**Optical Purity (ee):** Optically pure

**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** Calculated: C 64.59, H 8.36, N 0.00; Found: C ND, H ND, N ND

**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	65.1	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 5-7-2022

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**