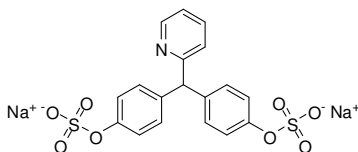




## Certificate of Analysis

**Axon Catalogue ID:** 3660 **Batch Number:** 1  
**Product Name:** Sodium picosulfate  
**Alternative Name(s):** N.A.  
**IUPAC Name:** Sodium 4,4'-(pyridin-2-ylmethylene)bis(4,1-phenylene) disulfate

**Structure:**



**Amount:**

**CAS number(s):** 10040-34-3 (parent), 10040-45-6 (sodium (1:2))  
**Molecular Formula:** C<sub>18</sub>H<sub>13</sub>NNa<sub>2</sub>O<sub>8</sub>S<sub>2</sub> **Molecular Weight:** 481.41  
**Batch Molecular Formula:** C<sub>18</sub>H<sub>13</sub>NNa<sub>2</sub>O<sub>8</sub>S<sub>2</sub>.1.25H<sub>2</sub>O **Batch Molecular Weight:** 503.93  
**Appearance:** White solid **Observed mp:** >265 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.68 DCM/MeOH (1:1)  
**Chemical Purity:** 99.7%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 42.90, H 3.10, N 2.78; Found: C 42.74, H 2.99, N 2.61  
**Storage Conditions:** Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	50.4	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	50.4	>100 mM	
	EtOH	6.9	13.6	* Warming (40°C) and sonication

**Remarks:** \* Warming (40°C) and sonication enhanced solubility.

**QC Date:** 8-9-2022

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**