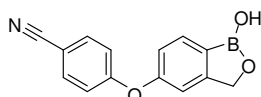




## Certificate of Analysis

**Axon Catalogue ID:** 3169 **Batch Number:** 1  
**Product Name:** Crisaborole  
**Alternative Name(s):** AN2728  
**IUPAC Name:** 4-(1-Hydroxy-1,3-dihydrobenzo[c][1,2]oxaborol-5-yloxy)benzonitrile

**Structure:**



**Amount:**

**CAS number(s):** 906673-24-3  
**Molecular Formula:** C<sub>14</sub>H<sub>10</sub>BNO<sub>3</sub> **Molecular Weight:** 251.05  
**Batch Molecular Formula:** C<sub>14</sub>H<sub>10</sub>BNO<sub>3</sub> **Batch Molecular Weight:** 251.05  
**Appearance:** Off-white solid **Observed mp:** 130.5 - 132.1 °C  
**TLC (R<sub>f</sub>):** 0.24 Hex/EtOAc (9:1)  
**Chemical Purity:** 99.7%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 66.98, H 4.01, N 5.58; Found: C 66.69, H 4.08, N 5.44  
**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	25.1	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 24-09-2020

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**