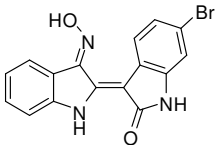


## Certificate of Analysis

<b>Axon Catalogue ID:</b>	1693	<b>Batch Number:</b>	2
<b>Product Name:</b>	BIO		
<b>Alternative Name(s):</b>	GSK-3 inhibitor IX; 6-Bromoindirubin-3'-oxime; MLS 2052; 6-BIO		
<b>IUPAC Name:</b>	(3Z)-6-Bromo-3-[(3E)-1,3-dihydro-3-(hydroxyimino)-2H-indol-2-ylidene]-1,3-dihydro-2H-indol-2-one		
<b>Structure:</b>			<b>Amount:</b>
<b>CAS number(s):</b>	667463-62-9		
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>10</sub> BrN <sub>3</sub> O <sub>2</sub>	<b>Molecular Weight:</b>	356.17
<b>Batch Molecular Formula:</b>	C <sub>16</sub> H <sub>10</sub> BrN <sub>3</sub> O <sub>2</sub> .1H <sub>2</sub> O	<b>Batch Molecular Weight:</b>	374.19
<b>Appearance:</b>	Red solid	<b>Observed mp:</b>	< 257 °C (decomp)
<b>TLC (R<sub>f</sub>):</b>	0.7	DCM/MeOH (9:1)	
<b>Chemical Purity:</b>	98.9%		
<b>Optical Purity (ee):</b>	N.A.		
<b><sup>1</sup>H-NMR (300 MHz):</b>	Analytical data confirm chemical structure		
<b>Mass Spec:</b>	Analytical data confirm chemical structure		
<b>Microanalysis:</b>	Calculated: C 51.36, H 3.23, N 11.23; Found: C 51.26, H 3.21, N 10.89		
<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)		Insoluble
	0.1N HCl (aq)		Not Tested
	DMSO	37.4	>100 mM
	EtOH		Not Tested
<b>Remarks:</b>			
<b>QC Date:</b>	29-03-2019		

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**