



## Certificate of Analysis

<b>Axon Catalogue ID:</b>	2555	<b>Batch Number:</b>	1
<b>Product Name:</b>	KN 93 phosphate		
<b>Alternative Name(s):</b>	N.A.		
<b>IUPAC Name:</b>	(E)-N-(2-((3-(4-chlorophenyl)allyl)(methyl)amino)methyl)phenyl)-N-(2-hydroxyethyl)-4-methoxybenzenesulfonamide phosphate		
<b>Structure:</b>			<b>Amount:</b>
<b>CAS number(s):</b>	1188890-41-6		
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>29</sub> ClN <sub>2</sub> O <sub>4</sub> S.1.5 H <sub>3</sub> PO <sub>4</sub>	<b>Molecular Weight:</b>	648.03
<b>Batch Molecular Formula:</b>	C <sub>26</sub> H <sub>29</sub> ClN <sub>2</sub> O <sub>4</sub> S.1.5 H <sub>3</sub> PO <sub>4</sub>	<b>Batch Molecular Weight:</b>	648.03
<b>Appearance:</b>	White crystals	<b>Observed mp:</b>	123.5 - 125.2 °C
<b>TLC (R<sub>f</sub>):</b>	0.8	DCM/MeOH (20:1)	
<b>Chemical Purity:</b>	99.7%		
<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 48.19, H 5.21, N 4.23; Found: C 47.94, H 4.94, N 4.33		
<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	33.0	50.9
	0.1N NaOH (aq)	60.0	92.6
	0.1N HCl (aq)		
	DMSO		Not Tested
	EtOH		Not Tested
<b>Remarks:</b>			
<b>QC Date:</b>	01-04-2016		

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