



## Certificate of Analysis

<b>Axon Catalogue ID:</b>	4448	<b>Batch Number:</b>	1	
<b>Product Name:</b>	dBRD9 dihydrochloride			
<b>Alternative Name(s):</b>	N.A.			
<b>IUPAC Name:</b>	2-[[[4-(1,2-Dihydro-2-methyl-1-oxo-2,7-naphthyridin-4-yl)-2,6-dimethoxyphenyl]methyl]methylamino]-N-[2-[2-[2-(2,6-dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1H-isindol-4-yl]amino]ethoxy]ethoxy]ethyl]acetamide dihydrochloride			
<b>Structure:</b>			<b>Amount:</b>	
<b>CAS number(s):</b>	2170679-45-3 (parent), 2341840-98-8 (HCl salt (1:2))			
<b>Molecular Formula:</b>	C40H45N7O10·2HCl	<b>Molecular Weight:</b>	856.75	
<b>Batch Molecular Formula:</b>	C40H45N7O10·2HCl·1.5H2O	<b>Batch Molecular Weight:</b>	883.77	
<b>Appearance:</b>	Yellow solid	<b>Observed mp:</b>	>161 °C (decomp)	
<b>TLC (R<sub>f</sub>):</b>	0.62	DCM/MeOH (9:1)		
<b>Chemical Purity:</b>	99.2%			
<b><sup>1</sup>H-NMR:</b>	Analytical data confirm chemical structure			
<b>Mass Spec:</b>	Analytical data confirm chemical structure			
<b>Microanalysis:</b>	Calculated: C 54.36, H 5.70, N 11.09; Found: C 54.03, H 5.81, N 10.88			
<b>Storage Conditions:</b>	Desiccate at -20 °C			
<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	80.0	90.5	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	20.0	22.6	
	EtOH	80.0	90.5	
<b>Remarks:</b>	Electrostatic. Suspected to be unstable in solution. It is recommended to prepare fresh solutions for your experiments.			

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**