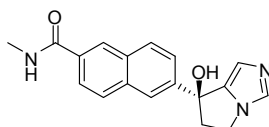




## Certificate of Analysis

**Axon Catalogue ID:** 2124 **Batch Number:** 1  
**Product Name:** TAK 700  
**Alternative Name(s):** Orteronel  
**IUPAC Name:** (S)-6-(7-Hydroxy-6,7-dihydro-5H-pyrrolo[1,2-c]imidazol-7-yl)-N-methyl-2-naphthamide

**Structure:**



**Amount:**

**CAS number:** 566939-85-3  
**Batch Molecular Formula:** C<sub>18</sub>H<sub>17</sub>N<sub>3</sub>O<sub>2</sub>·0.2H<sub>2</sub>O **Batch MW:** 310.95  
**Appearance:** White solid **Observed mp:** 185 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.25 DCM/MeOH (9:1)  
**Chemical Purity:** 99.8%  
**Optical Purity (ee):**  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 69.53 , H 5.64 , N 13.51 Found: C 69.83 , H 5.46 , N 13.48

**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	15.0	48.2	
	EtOH			Not Tested

**Remarks:** Deleted CAS registry number [426219-23-0]

**QC Date:** 30-7-2014

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**