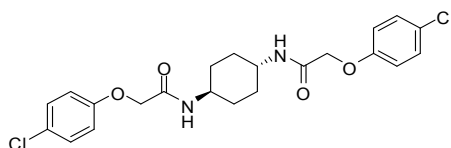




## Certificate of Analysis

**Axon Catalogue ID:** 2278 **Batch Number:** 1  
**Product Name:** ISRIB  
**Alternative Name(s):** trans-ISRIB  
**IUPAC Name:** trans-N,N'-(cyclohexane-1,4-diyl)bis(2-(4-chlorophenoxy)acetamide)

**Structure:**



**Amount:**

**CAS number:** 1597403-47-8  
**Batch Molecular Formula:** C<sub>22</sub>H<sub>24</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>4</sub>·0.5H<sub>2</sub>O **Batch MW:** 460.35  
**Appearance:** White solid **Observed mp:** >270 °C (decomp.)  
**TLC (R<sub>f</sub>):** 0.8 DCM/MeOH (18:1)  
**Chemical Purity:** 99.1%  
**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 57.40 , H 5.47 , N 6.09 Found: C 57.30 , H 5.06 , N 6.09  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	1.5	3.2	Warming necessary
	EtOH	0.0	0.0	Insoluble

**Remarks:** Readily soluble in solvent mixtures DCM/MeOH (9:1) or CHCl<sub>3</sub>/MeOH (9:1). It is poorly soluble in DMSO without warming. Compound contains a trace of DCM (0.8 w.t.%) as determined by NMR.

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

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**