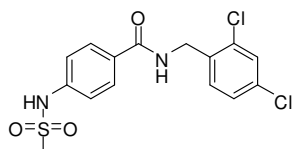




## Certificate of Analysis

**Axon Catalogue ID:** 2872 **Batch Number:** 1  
**Product Name:** ML 335  
**Alternative Name(s):** N.A.  
**IUPAC Name:** N-(2,4-Dichlorobenzyl)-4-(methylsulfonamido)benzamide

**Structure:**



**Amount:**

**CAS number(s):** 825658-06-8  
**Molecular Formula:** C<sub>15</sub>H<sub>14</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>3</sub>S **Molecular Weight:** 373.25  
**Batch Molecular Formula:** C<sub>15</sub>H<sub>14</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>3</sub>S **Batch Molecular Weight:** 373.25  
**Appearance:** White solid **Observed mp:** 182 °C  
**TLC (R<sub>f</sub>):** 0.71 DCM/MeOH (9:1)  
**Chemical Purity:** 99.4%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 48.27, H 3.78, N 7.51; Found: C 48.34, H 3.71, N 7.40  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	37.3	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 12-07-2018

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**