



## Certificate of Analysis

**Axon Catalogue ID:** 2496 **Batch Number:** 1  
**Product Name:** 2,5-Dimethyl-celecoxib  
**Alternative Name(s):** DMC  
**IUPAC Name:** 4-(5-(2,5-Dimethylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)benzenesulfonamide

**Structure:**  **Amount:** 10 mg

**CAS number:** 457639-26-8  
**Batch Molecular Formula:** C<sub>18</sub>H<sub>16</sub>F<sub>3</sub>N<sub>3</sub>O<sub>2</sub>S **Batch MW:** 395.40  
**Appearance:** White solid **Observed mp:** 141 - 142 °C  
**TLC (R<sub>f</sub>):** 0.34 Hex/EtOAc (2:1)  
**Chemical Purity:** 100%  
**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 54.68 , H 4.08 , N 10.63 Found: C 54.77 , H 4.13 , N 10.69  
**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	39.5	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 08-09-2015

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**