



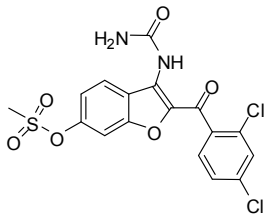
## Certificate of Analysis

**Axon Catalogue ID:** 1178 **Batch Number:** 2

**Product Name:** BAY 19-8004

**Alternative Name(s):** Lirimilast

**IUPAC Name:** N-[2-(2,4-Dichlorobenzoyl)-6-methanesulfonyloxy-benzofuran-3-yl]urea

**Structure:**  **Amount:**

**CAS number:** 329306-27-6 **MW:** 443.26

**Batch Molecular Formula:** C<sub>17</sub>H<sub>12</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>6</sub>S **Batch MW:** 443.26

**Appearance:** Off-White Solid **Observed mp:** 220 - 222 °C

**TLC (R<sub>f</sub>):** 0.3 EtOAc/Hex (1:1)

**Chemical Purity:** 98.4%

**Optical Purity (ee):**

**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** Not available

**Storage Conditions:** Store at -20°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	20.0	45.1	
EtOH			Not Tested

**Remarks:**

**QC Date:** 19-4-2012

The purity of Axon products 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 Axon Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**