



## Certificate of Analysis

**Axon Catalogue ID:** 1164 **Batch Number:** 5  
**Product Name:** SR 48692  
**Alternative Name(s):** Meclinertant  
**IUPAC Name:** 2-[[1-(7-Chloro-quinolin-4-yl)-5-(2,6-dimethoxy-phenyl)-1H-pyrazole-3-carbonyl]-amino]-adamantane-2-carboxylic acid

**Structure:**  **Amount:** 5 mg

**CAS number:** 146362-70-1 **MW:** 587.07

**Batch Molecular Formula:** C<sub>32</sub>H<sub>31</sub>ClN<sub>4</sub>O<sub>5</sub>·1H<sub>2</sub>O **Batch MW:** 605.08

**Appearance:** White Solid **Observed mp:** 280 °C

**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (9:1)

**Chemical Purity:** 99.0%

**Optical Purity (ee):**

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

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

**Microanalysis:** C, H, and N fit within 0.4% of theoretical calculation

**Storage Conditions:** Store at -20°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) | 4.6                       | 7.6                    | Requires warming, ~50°C                 |
|                         | 0.1N HCl (aq)  | 0.0                       | 0.0                    | Insoluble                               |
|                         | DMSO           | 1.8                       | 3.0                    | Poorly Soluble; Requires Heating >50°C. |
|                         | EtOH           | 1.7                       | 2.8                    | Hot ethanol >50°C                       |

**Remarks:** A mixture of 0.1 N NaOH solution in water with a few drops of ethanol yields a clear solution without warming.

**QC Date:** 24-2-2012

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**