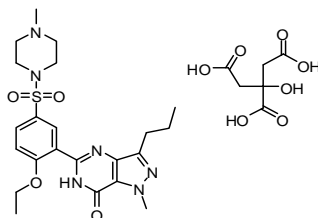




## Certificate of Analysis

**Axon Catalogue ID:** 2046 **Batch Number:** 1  
**Product Name:** Sildenafil citrate  
**Alternative Name(s):** Viagra  
**IUPAC Name:** 5-(2-ethoxy-5-(4-methylpiperazin-1-ylsulfonyl)phenyl)-1-methyl-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-7(6H)-one 2-hydroxypropane-1,2,3-tricarboxylate

**Structure:**



**Amount:**

**CAS number:** 171599-83-0 **MW:** 666.70  
**Batch Molecular Formula:** C<sub>22</sub>H<sub>30</sub>N<sub>6</sub>O<sub>4</sub>S.C<sub>6</sub>H<sub>8</sub>O<sub>7</sub> **Batch MW:** 666.70  
**Appearance:** White solid **Observed mp:** 198 - 200 °C  
**TLC (R<sub>f</sub>):** 0.47 (t) DCM/MeOH (9:1)  
**Chemical Purity:** 100.0%  
**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:** Desiccate at +4°C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0	0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	40	60	Soluble
EtOH			Not Tested

**Remarks:**

**QC Date:** 3/26/2013

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**