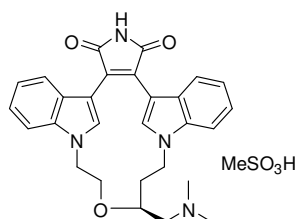




## Certificate of Analysis

**Axon Catalogue ID:** 1401 **Batch Number:** 3  
**Product Name:** LY 333531 mesylate  
**Alternative Name(s):** Ruboxistaurin  
**IUPAC Name:** 13-((Dimethylamino)methyl)-10,11,14,15-tetrahydro-4,9:16,21 -dimetheno-1H,13H-dibenzo(e,k)pyrrolo(3,4-h)(1,4,13) oxadiazacyclohexadecene-1,3(2H)-dione methanesulfonate

**Structure:**



**Amount:**

**CAS number:** 192050-59-2  
**Batch Molecular Formula:** C<sub>28</sub>H<sub>28</sub>N<sub>4</sub>O<sub>3</sub>.CH<sub>4</sub>SO<sub>3</sub> **Batch MW:** 564.65  
**Appearance:** Dark Red Solid **Observed m.p.:** >200 (Dec.)°  
**TLC (R<sub>f</sub>):** 0.65 9:1 DCM/Methanol  
**Chemical Purity:** 98.6% **Wavelength for purity check:** 228 nm  
**Optical Purity (ee):** 99%  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Not available  
**Storage Conditions:** Desiccate at <4 °C

| <b>Solubility Data:</b> | <b>Solvent</b> | <b>Solubility (mg/ml)</b> | <b>Solubility (mM)</b> | <b>Remarks</b> |
|-------------------------|----------------|---------------------------|------------------------|----------------|
|                         | Water          |                           |                        | Not Tested     |
|                         | 1eq. NaOH      |                           |                        | Not Tested     |
|                         | 1eq. HCl       |                           |                        | Not Tested     |
|                         | DMSO           | 30.0                      | 53.13                  | Soluble        |
|                         | EtOH           |                           |                        | Not Tested     |

**Remarks:**

**Quality controller:** M. Brandsma, MSc. **Date:** 22-01-2012

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**