

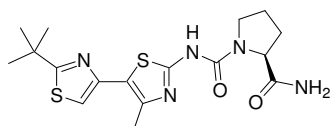


## Certificate of Analysis

**Axon Catalogue ID:** 1831 **Batch Number:** 1  
**Product Name:** A 66  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (S)-N1-(2-tert-butyl-4'-methyl-4,5'-bithiazol-2'-yl)pyrrolidine-1,2-dicarboxamide

**Structure:**

**Amount:**



**CAS number:** 1166227-08-2  
**Batch Molecular Formula:** C<sub>17</sub>H<sub>23</sub>N<sub>5</sub>O<sub>2</sub>S<sub>2</sub> **Batch MW:** 393.53  
**Appearance:** White solid **Observed m.p.:** 179.5-180.5°C  
**TLC (R<sub>f</sub>):** 0.45 DCM/MeOH (9:1)  
**Chemical Purity:** 99.5% **Wavelength for purity check:** 302 nm  
**Optical Purity (ee):** Optically pure  
**<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 <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           | 48.00                     | 121.97                 | Soluble        |
|                         | EtOH           |                           |                        | Not tested     |

**Remarks:**

**Quality controller:** M. Brandsma, MSc. **Date:** 02-04-2012

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**