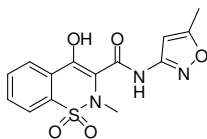




## Certificate of Analysis

**Axon Catalogue ID:** 3712 **Batch Number:** 1  
**Product Name:** Isoxicam  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 4-Hydroxy-2-methyl-N-(5-methyl-1,2-oxazol-3-yl)-1,1-dioxo-1λ6,2-benzothiazine-3-carboxamide

**Structure:**



**Amount:**

**CAS number(s):** 34552-84-6  
**Molecular Formula:** C<sub>14</sub>H<sub>13</sub>N<sub>3</sub>O<sub>5</sub>S **Molecular Weight:** 335.34  
**Batch Molecular Formula:** C<sub>14</sub>H<sub>13</sub>N<sub>3</sub>O<sub>5</sub>S **Batch Molecular Weight:** 335.34  
**Appearance:** Off-white solid **Observed mp:** 256 - 257 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.6 DCM/MeOH (20:1)  
**Chemical Purity:** 99.9%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 50.14, H 3.91, N 12.53; Found: C 50.05, H 3.92, N 12.47  
**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          | 0.0                       | 0.0                    | Insoluble      |
|                         | 0.1N NaOH (aq) | 3.1                       | 9.2                    |                |
|                         | 0.1N HCl (aq)  |                           |                        | Not Tested     |
|                         | DMSO           | 6.0                       | 17.9                   |                |
|                         | EtOH           | 0.0                       | 0.0                    | Insoluble      |

**Remarks:**

**QC Date:** 4-10-2022

The purity of Axon Ligands 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 Catalogue ID and Batch number.

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