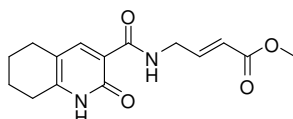




## Certificate of Analysis

**Axon Catalogue ID:** 3064 **Batch Number:** 1  
**Product Name:** HOIP inhibitor 11a  
**Alternative Name(s):** GSK11a  
**IUPAC Name:** (E)-Methyl 4-(2-oxo-1,2,5,6,7,8-hexahydroquinoline-3-carboxamido)but-2-enoate

**Structure:**



**Amount:**

**CAS number(s):** 1610800-91-3  
**Molecular Formula:** C<sub>15</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub> **Molecular Weight:** 290.31  
**Batch Molecular Formula:** C<sub>15</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub> **Batch Molecular Weight:** 290.31  
**Appearance:** White solid **Observed mp:** 210.0 - 211.5 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (20:1)  
**Chemical Purity:** 99.6%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 62.06, H 6.25, N 9.65; Found: C 62.05, H 6.24, N 9.63  
**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) |                           |                        | Not Tested     |
|                         | 0.1N HCl (aq)  |                           |                        | Not Tested     |
|                         | DMSO           | 19.2                      | 66.1                   |                |
|                         | EtOH           |                           |                        | Not Tested     |

**Remarks:**

**QC Date:** 24-02-2020

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**