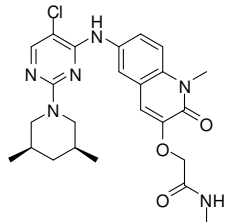


## Certificate of Analysis

|                                 |   |                                |                        |
|---------------------------------|---|--------------------------------|------------------------|
| <b>Axon Catalogue ID:</b>       | 3361  | <b>Batch Number:</b>           | 1                      |
| <b>Product Name:</b>            | BI-3802   |                                |                        |
| <b>Alternative Name(s):</b>     | N.A.  |                                |                        |
| <b>IUPAC Name:</b>              | 2-(6-(5-Chloro-2-(cis-3,5-dimethylpiperidin-1-yl)pyrimidin-4-ylamino)-1-methyl-2-oxo-1,2-dihydroquinolin-3-yloxy)-N-methylacetamide |                                |                        |
| <b>Structure:</b>               |    |                                | <b>Amount:</b>         |
| <b>CAS number(s):</b>           | 2166387-65-9  |                                |                        |
| <b>Molecular Formula:</b>       | C <sub>24</sub> H <sub>29</sub> ClN <sub>6</sub> O <sub>3</sub>   | <b>Molecular Weight:</b>       | 484.98                 |
| <b>Batch Molecular Formula:</b> | C <sub>24</sub> H <sub>29</sub> ClN <sub>6</sub> O <sub>3</sub> .1.25H <sub>2</sub> O   | <b>Batch Molecular Weight:</b> | 507.50                 |
| <b>Appearance:</b>              | Off-white solid   | <b>Observed mp:</b>            | 229.8 - 233.9 °C       |
| <b>TLC (R<sub>f</sub>):</b>     | 0.7   | DCM/MeOH (9:1)                 |                        |
| <b>Chemical Purity:</b>         | 99.0%   |                                |                        |
| <b>Optical Purity (ee):</b>     | N.A.  |                                |                        |
| <b><sup>1</sup>H-NMR:</b>       | Analytical data confirm chemical structure  |                                |                        |
| <b>Mass Spec:</b>               | Analytical data confirm chemical structure  |                                |                        |
| <b>Microanalysis:</b>           | Calculated: C 56.80, H 6.26, N 16.56; Found: C 56.59, H 6.02, N 16.58   |                                |                        |
| <b>Storage Conditions:</b>      | Store at  | +4 °C                          |                        |
| <b>Solubility Data:</b>         | <b>Solvent</b>  | <b>Solubility (mg/ml)</b>      | <b>Solubility (mM)</b> |
|                                 | Water   | 0.0                            | 0.0                    |
|                                 | 0.1N NaOH (aq)  |                                | Not Tested             |
|                                 | 0.1N HCl (aq)   |                                | Not Tested             |
|                                 | DMSO  | 21.0                           | 41.4                   |
|                                 | EtOH  |                                | Not Tested             |
| <b>Remarks:</b>                 | * Warming (40°C) and sonication enhanced solubility.  |                                |                        |
| <b>QC Date:</b>                 | 16-7-2021   |                                |                        |

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**