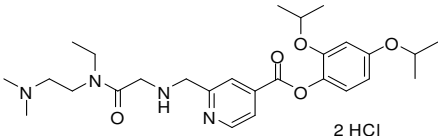




## Certificate of Analysis

|                                 |  |                                |                        |
|---------------------------------|--|--------------------------------|------------------------|
| <b>Axon Catalogue ID:</b>       | 3783   | <b>Batch Number:</b>           | 1                      |
| <b>Product Name:</b>            | JQKD82 dihydrochloride   |                                |                        |
| <b>Alternative Name(s):</b>     | N.A.   |                                |                        |
| <b>IUPAC Name:</b>              | 2,4-Diisopropoxyphenyl 2-((2-((2-(dimethylamino)ethyl)(ethyl)amino)-2-oxoethylamino)methyl)isonicotinate dihydrochloride |                                |                        |
| <b>Structure:</b>               |                                        |                                | <b>Amount:</b>         |
| <b>CAS number(s):</b>           | 2410512-38-6 (parent), 2863635-05-4 (HCl (1:2))  |                                |                        |
| <b>Molecular Formula:</b>       | C27H40N4O5.2HCl  | <b>Molecular Weight:</b>       | 573.55                 |
| <b>Batch Molecular Formula:</b> | C27H40N4O5.2HCl.H2O  | <b>Batch Molecular Weight:</b> | 591.57                 |
| <b>Appearance:</b>              | White solid  | <b>Observed mp:</b>            | 200.3 - 208.2 °C       |
| <b>TLC (R<sub>f</sub>):</b>     | 0.3 DCM/MeOH/NH <sub>3</sub> (4:1:0.1)   |                                |                        |
| <b>Chemical Purity:</b>         | 99.5%  |                                |                        |
| <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 54.82, H 7.50, N 9.47; Found: C 55.01, H 7.31, N 9.49  |                                |                        |
| <b>Storage Conditions:</b>      | Desiccate at -20 °C  |                                |                        |
| <b>Solubility Data:</b>         | <b>Solvent</b>   | <b>Solubility (mg/ml)</b>      | <b>Solubility (mM)</b> |
|                                 | Water  | 22.7                           | 38.4                   |
|                                 | 0.1N NaOH (aq)   |                                | Not Tested             |
|                                 | 0.1N HCl (aq)  |                                | Not Tested             |
|                                 | DMSO   | 16.0                           | 27.0                   |
|                                 | EtOH   | 18.0                           | 30.4                   |
| <b>Remarks:</b>                 |  |                                |                        |
| <b>QC Date:</b>                 | 30-3-2023  |                                |                        |

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**