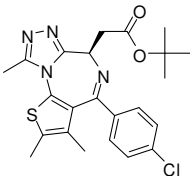


## Certificate of Analysis

|                                 |   |                                |                        |
|---------------------------------|---|--------------------------------|------------------------|
| <b>Axon Catalogue ID:</b>       | 3873  | <b>Batch Number:</b>           | 1                      |
| <b>Product Name:</b>            | (-)-JQ-1  |                                |                        |
| <b>Alternative Name(s):</b>     | N.A.  |                                |                        |
| <b>IUPAC Name:</b>              | (R)-(-)-tert-Butyl 2-(4-(4-chlorophenyl)-2,3,9-trimethyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepin-6-yl)acetate |                                |                        |
| <b>Structure:</b>               |    |                                | <b>Amount:</b>         |
| <b>CAS number(s):</b>           | 1268524-71-5  |                                |                        |
| <b>Molecular Formula:</b>       | C23H25ClN4O2S   | <b>Molecular Weight:</b>       | 456.99                 |
| <b>Batch Molecular Formula:</b> | C23H25ClN4O2S   | <b>Batch Molecular Weight:</b> | 456.99                 |
| <b>Appearance:</b>              | Light-yellow solid  | <b>Observed mp:</b>            | 98.0 - 101.5 °C        |
| <b>TLC (R<sub>f</sub>):</b>     | 0.5   | DCM/MeOH (20:1)                |                        |
| <b>Chemical Purity:</b>         | 98.0%   |                                |                        |
| <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 60.45, H 5.51, N 12.26; Found: C 60.22, H 5.59, N 12.02   |                                |                        |
| <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)  |                                |                        |
|                                 | 0.1N HCl (aq)   | 0.0                            | 0.0                    |
|                                 | DMSO  | 45.7                           | >100 mM                |
|                                 | EtOH  | 45.7                           | >100 mM                |
| <b>Remarks:</b>                 |   |                                |                        |
| <b>QC Date:</b>                 | 20-7-2023   |                                |                        |

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**