



## Certificate of Analysis

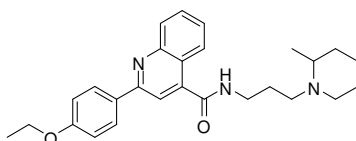
**Axon Catalogue ID:** 4108 **Batch Number:** 1

**Product Name:** Feeblin

**Alternative Name(s):** SLC15A4 inhibitor compound C5

**IUPAC Name:** 2-(4-Ethoxyphenyl)-N-(3-(2-methylpiperidin-1-yl)propyl)quinoline-4-carboxamide

**Structure:**



**Amount:**

**CAS number(s):** 689270-18-6

**Molecular Formula:** C<sub>27</sub>H<sub>33</sub>N<sub>3</sub>O<sub>2</sub> **Molecular Weight:** 431.57

**Batch Molecular Formula:** C<sub>27</sub>H<sub>33</sub>N<sub>3</sub>O<sub>2</sub>·0.25H<sub>2</sub>O **Batch Molecular Weight:** 436.07

**Appearance:** Beige solid **Observed mp:** 120 °C

**TLC (R<sub>f</sub>):** 0.42 DCM/MeOH (4:1)

**Chemical Purity:** 98.9%

**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** Calculated: C 74.37, H 7.74, N 9.64; Found: C 74.08, H 7.81, N 9.76

**Storage Conditions:** Store at -20 °C

| Solubility Data: | Solvent        | Solubility (mg/ml) | Solubility (mM) | Remarks    |
|------------------|----------------|--------------------|-----------------|------------|
|                  | Water          | 0.0                | 0.0             | Insoluble  |
|                  | 0.1N NaOH (aq) |                    |                 | Not Tested |
|                  | 0.1N HCl (aq)  |                    |                 | Not Tested |
|                  | DMSO           | 43.6               | >100 mM         |            |
|                  | EtOH           | 43.6               | >100 mM         |            |

**Remarks:**

**QC Date:** 17-6-2024

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**