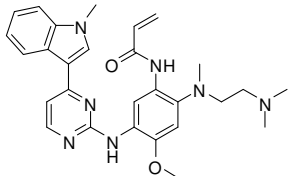




Certificate of Analysis

| | | | |
|-------------------------------------|---|--------------------------------|------------------------|
| Axon Catalogue ID: | 2342 | Batch Number: | 1 |
| Product Name: | AZD9291 | | |
| Alternative Name(s): | N.A. | | |
| IUPAC Name: | N-(2-((2-(Dimethylamino)ethyl)(methyl)amino)-4-methoxy-5-(4-(1-methyl-1H-indol-3-yl)pyrimidin-2-ylamino)phenyl)acrylamide | | |
| Structure: |  | | |
| | | Amount: | |
| CAS number(s): | 1421373-65-0 | | |
| Molecular Formula: | C ₂₈ H ₃₃ N ₇ O ₂ | Molecular Weight: | 499.61 |
| Batch Molecular Formula: | C ₂₈ H ₃₃ N ₇ O ₂ .1H ₂ O | Batch Molecular Weight: | 517.62 |
| Appearance: | Pale-yellow solid | Observed mp: | 109.9 - 111.3 °C |
| TLC (R_f): | 0.43 | DCM/MeOH (9:1) | |
| Chemical Purity: | 99.3% | | |
| Optical Purity (ee): | N.A. | | |
| ¹H-NMR (300 MHz): | Analytical data confirm chemical structure | | |
| Mass Spec: | Analytical data confirm chemical structure | | |
| Microanalysis: | Calculated: C 64.97, H 6.82, N 18.94; Found: C 65.02, H 6.67, N 19.03 | | |
| Storage Conditions: | Store at | +4 °C | |
| Solubility Data: | Solvent | Solubility (mg/ml) | Solubility (mM) |
| | Water | | Not Tested |
| | 0.1N NaOH (aq) | | Not Tested |
| | 0.1N HCl (aq) | 16.3 | 31.5 |
| | DMSO | 36.0 | 69.5 |
| | EtOH | | Not Tested |
| Remarks: | | | |
| QC Date: | 28-8-2019 | | |

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only