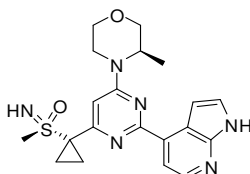


Certificate of Analysis

Axon Catalogue ID: 3134 **Batch Number:** 2
Product Name: AZD6738
Alternative Name(s): Ceralasertib
IUPAC Name: (R)-3-Methyl-4-(6-(1-((R)-S-methylsulfonimidoyl)cyclopropyl)-2-(1H-pyrrolo[2,3-b]pyridin-4-yl)pyrimidin-4-yl)morpholine

Structure:



Amount:

CAS number(s): 1352226-88-0
Molecular Formula: C₂₀H₂₄N₆O₂S **Molecular Weight:** 412.51
Batch Molecular Formula: C₂₀H₂₄N₆O₂S **Batch Molecular Weight:** 412.51
Appearance: Pale-yellow solid **Observed mp:** 155 °C
TLC (R_f): 0.3 DCM/MeOH (9:1)
Chemical Purity: 99.4%
Optical Purity (ee): 98.7%
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 58.23, H 5.86, N 20.37; Found: C 57.91, H 5.76, N 20.32
Storage Conditions: Store at +4 °C

| Solubility Data: | Solvent | Solubility (mg/ml) | Solubility (mM) | Remarks |
|------------------|----------------|--------------------|-----------------|------------|
| | Water | 0.0 | 0.0 | Insoluble |
| | 0.1N NaOH (aq) | 0.0 | 0.0 | Insoluble |
| | 0.1N HCl (aq) | 40.0 | 97.0 | |
| | DMSO | 41.3 | >100 mM | |
| | EtOH | | | Not Tested |

Remarks:

QC Date:

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