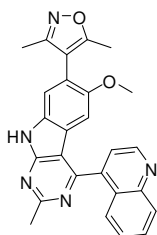




Certificate of Analysis

Axon Catalogue ID: 2776 **Batch Number:** 1
Product Name: CD161
Alternative Name(s): N.A.
IUPAC Name: 4-(6-Methoxy-2-methyl-4-(quinolin-4-yl)-9H-pyrimido[4,5-b]indol-7-yl)-3,5-dimethylisoxazole

Structure:



Amount:

CAS number(s): 1627716-22-6
Molecular Formula: C₂₆H₂₁N₅O₂ **Molecular Weight:** 435.48
Batch Molecular Formula: C₂₆H₂₁N₅O₂·0.1H₂O **Batch Molecular Weight:** 437.28
Appearance: Light-yellow solid **Observed mp:** 287 °C (decomp)
TLC (R_f): 0.54 DCM/MeOH (9:1)
Chemical Purity: 98.5%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 71.41, H 4.89, N 16.02; Found: C 71.19, H 4.81, N 15.90
Storage Conditions: Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)	0.0	0.0	Insoluble
DMSO	8.3	19.0	
EtOH			Not Tested

Remarks:

QC Date: 8-11-2023

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only