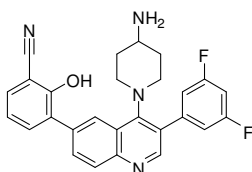




Certificate of Analysis

Axon Catalogue ID: 3840 **Batch Number:** 1
Product Name: Paltusotine
Alternative Name(s): CRN00808
IUPAC Name: 3-(4-(4-Aminopiperidin-1-yl)-3-(3,5-difluorophenyl)quinolin-6-yl)-2-hydroxybenzonitrile

Structure:



Amount:

CAS number(s): 2172870-89-0
Molecular Formula: C₂₇H₂₂F₂N₄O **Molecular Weight:** 456.49
Batch Molecular Formula: C₂₇H₂₂F₂N₄O.0.25H₂O **Batch Molecular Weight:** 460.99
Appearance: Light-yellow solid **Observed mp:** 252 °C (decomp)
TLC (R_f): 0.4 DCM/MeOH (4:1)
Chemical Purity: 99.2%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 70.35, H 4.92, N 12.15; Found: C 70.06, H 4.82, N 12.22
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) | 8.8 | 19.1 | |
| | 0.1N HCl (aq) | 29.3 | 63.6 | |
| | DMSO | 3.1 | 6.7 | |
| | EtOH | 0.0 | 0.0 | Insoluble |

Remarks:

QC Date: 25-1-2024

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only