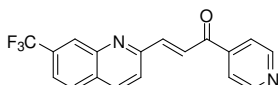




Certificate of Analysis

Axon Catalogue ID: 2542 **Batch Number:** 1
Product Name: PFK158
Alternative Name(s): N.A.
IUPAC Name: (E)-1-(Pyridin-4-yl)-3-(7-(trifluoromethyl)quinolin-2-yl)prop-2-en-1-one

Structure:



Amount:

CAS number(s): 1462249-75-7
Molecular Formula: C₁₈H₁₁F₃N₂O **Molecular Weight:** 328.29
Batch Molecular Formula: C₁₈H₁₁F₃N₂O **Batch Molecular Weight:** 328.29
Appearance: Off-white solid **Observed mp:** 162 - 163 °C
TLC (R_f): 0.4 EtOAc
Chemical Purity: 99.1%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.86, H 3.38, N 8.53; Found: C 65.60, H 3.27, N 8.44
Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	24.0	73.1	
	EtOH	8.9	27.1	

Remarks:

QC Date: 13-4-2021

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