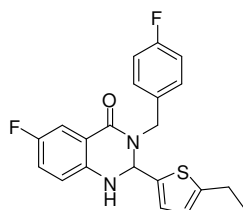




Certificate of Analysis

Axon Catalogue ID: 3141 **Batch Number:** 1
Product Name: DHQZ 36
Alternative Name(s): N.A.
IUPAC Name: 2-(5-Ethylthiophen-2-yl)-6-fluoro-3-(4-fluorobenzyl)-2,3-dihydroquinazolin-4(1H)-one

Structure:



Amount:

CAS number(s): 1542098-94-1
Molecular Formula: C₂₁H₁₈F₂N₂O₂ **Molecular Weight:** 384.44
Batch Molecular Formula: C₂₁H₁₈F₂N₂O₂ **Batch Molecular Weight:** 384.44
Appearance: Pale-yellow solid **Observed mp:** 108.4 - 112.5 °C
TLC (R_f): 0.4 Hex/EtOAc (4:1)
Chemical Purity: 98.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.61, H 4.72, N 7.29; Found: C 65.54, H 4.52, N 7.40
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)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	38.4	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 21-07-2020

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