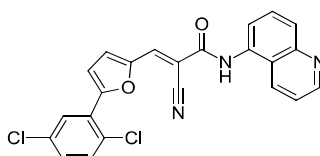




Certificate of Analysis

Axon Catalogue ID: 3052 **Batch Number:** 1
Product Name: AGK2
Alternative Name(s): N.A.
IUPAC Name: N-5-Quinolyl-2-cyano-3-(5-(2,5-dichlorophenyl)-2-furyl)acrylamide

Structure:



Amount:

CAS number(s): 304896-28-4
Molecular Formula: C₂₃H₁₃Cl₂N₃O₂ **Molecular Weight:** 434.27
Batch Molecular Formula: C₂₃H₁₃Cl₂N₃O₂ **Batch Molecular Weight:** 434.27
Appearance: Yellow solid **Observed mp:** 255 - 257 °C
TLC (R_f): 0.6 DCM/MeOH (20:1)
Chemical Purity: 99.0%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.61, H 3.02, N 9.68; Found: C 63.47, H 3.01, N 9.59
Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility	Solubility	Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)			Not Tested
	DMSO	2.0	4.6	Moderately soluble
	EtOH	0.0	0.0	Insoluble

Remarks:

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