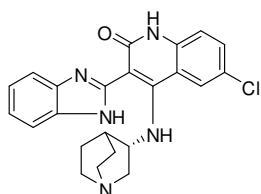




Certificate of Analysis

Axon Catalogue ID: 1636 **Batch Number:** 3
Product Name: CHIR 124
Alternative Name(s): N.A.
IUPAC Name: (S)-3-(1H-Benzo[d]imidazol-2-yl)-6-chloro-4-(quinuclidin-3-ylamino)quinolin-2(1H)-one

Structure:



Amount:

CAS number(s): 405168-58-3
Molecular Formula: C₂₃H₂₂ClN₅O **Molecular Weight:** 419.91
Batch Molecular Formula: C₂₃H₂₂ClN₅O.0.75H₂O **Batch Molecular Weight:** 433.42
Appearance: Yellow solid **Observed mp:** >290 °C (decomp)
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 98.9%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.74, H 5.47, N 16.16; Found: C 63.32, H 5.03, N 16.25
Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	2.0	4.6	Sonication enhances solubility
	DMSO	17.3	40.0	Sonication enhances solubility
	EtOH			Not Tested

Remarks:

QC Date: 15-08-2018

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