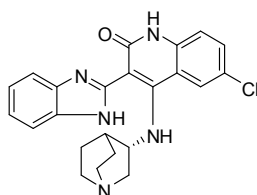




Certificate of Analysis

Axon Catalogue ID: 1636 **Batch Number:** 1
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: 405168-58-3
Batch Molecular Formula: C₂₃H₂₂ClN₅O **Batch MW:** 419.91
Appearance: Yellow solid **Observed mp:** >290 °C
TLC (R_f): 0.6 DCM/MeOH (4:1)
Chemical Purity: 99.4%
Optical Purity (ee):
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.79 , H 5.28 , N 16.68 Found: C ND , H ND , N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	7.0	16.7	Slight warming required
	DMSO	41.0	97.6	
	EtOH			Not Tested

Remarks: Sample contains less than 1%wt of EtOH.

QC Date: 10-3-2011

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