



Certificate of Analysis

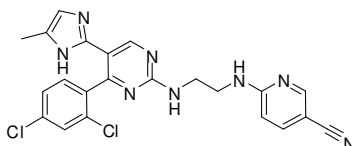
Axon Catalogue ID: 1386 **Batch Number:** 9

Product Name: CHIR 99021

Alternative Name(s): CT 99021

IUPAC Name: 6-{2-[4-(2,4-Dichloro-phenyl)-5-(5-methyl-1H-imidazol-2-yl)-pyrimidin-2-ylamino]-ethylamino}-nicotinonitrile

Structure:



Amount:

CAS number: 252917-06-9

Batch Molecular Formula: C₂₂H₁₈Cl₂N₈ **Batch MW:** 465.35

Appearance: Off-white solid **Observed mp:** >250 °C (decomp)

TLC (R_f): 0.6 EtOAc/THF (1:1)

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 56.78 , H 3.90 , N 24.07 Found: C 56.42 , H 3.83 , N 23.80

Storage Conditions: Store at -20 °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	20.5	44.1	
	EtOH			Not Tested

Remarks:

QC Date: 26-05-2015

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