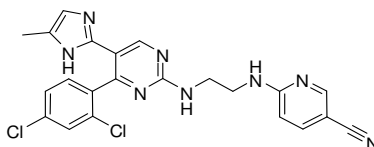




Certificate of Analysis

Axon Catalogue ID: 1386 **Batch Number:** 13
Product Name: CHIR99021
Alternative Name(s): CT99021; Laduviglusib
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(s): 252917-06-9
Molecular Formula: C₂₂H₁₈Cl₂N₈ **Molecular Weight:** 465.34
Batch Molecular Formula: C₂₂H₁₈Cl₂N₈.0.25H₂O **Batch Molecular Weight:** 469.84
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: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 56.24, H 3.97, N 23.85; Found: C 56.31, H 3.84, N 23.90

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)	8.8	18.7	* Warming (40°C) and sonication
	DMSO	25.0	53.2	* Warming (40°C)
	EtOH	3.1	6.6	* Warming (40°C)

Remarks: * Warming (40°C) and/or sonication enhanced solubility.

QC Date: 3-2-2021

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