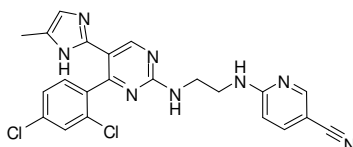




Certificate of Analysis

Axon Catalogue ID: 1386 **Batch Number:** 14
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: White solid **Observed mp:** >250 °C (decomp)
TLC (R_f): 0.6 EtOAc/THF (1:1)
Chemical Purity: 99.1%
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 56.14, H 3.74, N 23.84
Storage Conditions: Store at -20 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)	10.4	22.1	* Warming (40°C) and sonication
DMSO	28.0	59.6	* Warming (40°C)
EtOH	2.3	5.0	* Warming (40°C)

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

QC Date: 14-1-2022

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