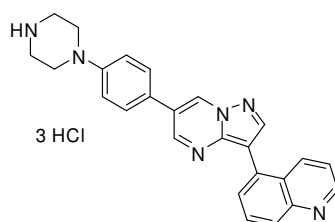




Certificate of Analysis

Axon Catalogue ID: 2201 **Batch Number:** 2
Product Name: LDN 212854 trihydrochloride
Alternative Name(s): N.A.
IUPAC Name: 5-(6-(4-(Piperazin-1-yl)phenyl)pyrazolo[1,5-a]pyrimidin-3-yl)quinoline trihydrochloride

Structure:



Amount:

CAS number(s): 1432597-26-6 (parent), 2109414-80-2 (HCl (1:3))
Molecular Formula: C₂₅H₂₂N₆.3HCl **Molecular Weight:** 515.87
Batch Molecular Formula: C₂₅H₂₂N₆.3HCl.2.75H₂O **Batch Molecular Weight:** 565.41
Appearance: Yellow solid **Observed mp:** >250 °C (decomp)
TLC (R_f): 0.66 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 99.5%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 53.11, H 5.44, N 14.86, Cl 18.81; Found: C 53.07, H 5.23, N 14.79, Cl 18.83
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	23.0	40.7	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	10.0	17.7	* Warming (40°C) and sonication
	EtOH			Not Tested

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

QC Date: 27-05-2019

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