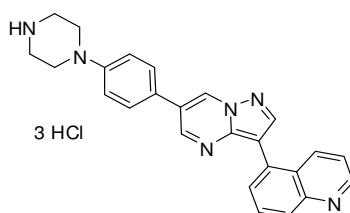




Certificate of Analysis

Axon Catalogue ID: 2201 **Batch Number:** 1
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.0.75H₂O **Batch Molecular Weight:** 529.38
Appearance: Yellow solid **Observed mp:** > 240°C (decomp)
TLC (R_f): 0.6 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 98.3%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 56.72, H 5.05, N 15.88; Found: C 56.71, H 5.43, N 15.61
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	50.0	94.4	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	3.5	6.6	
	EtOH			Not Tested

Remarks:

QC Date: 05-02-2019

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