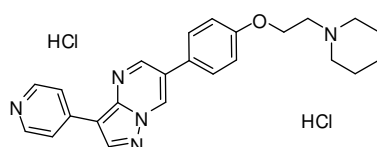


Certificate of Analysis

Axon Catalogue ID: 2150 **Batch Number:** 1
Product Name: Dorsomorphin dihydrochloride
Alternative Name(s): N.A.
IUPAC Name: 6-(4-(2-(Piperidin-1-yl)ethoxy)phenyl)-3-(pyridin-4-yl)pyrazolo[1,5-a]pyrimidine dihydrochloride

Structure:



Amount:

CAS number(s): 866405-64-3 (parent), 1219168-18-9 (HCl (1:2))
Molecular Formula: C₂₄H₂₅N₅O.2HCl **Molecular Weight:** 472.41
Batch Molecular Formula: C₂₄H₂₅N₅O.2HCl.1.5H₂O **Batch Molecular Weight:** 499.43
Appearance: Yellow solid **Observed mp:** 280 °C (decomp)
TLC (R_f): 0.25 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 99.2%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 57.72, H 6.05, N 14.02; Found: C 57.80, H 5.81, N 13.96
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	49.9	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	10.0	20.0	
	EtOH			Not Tested

Remarks:

QC Date: 04-03-2020

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