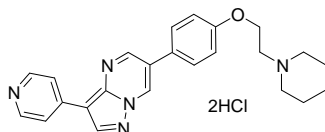




Certificate of Analysis

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: 1219168-18-9 **MW:** 472.41

Batch Molecular Formula: C₂₄H₂₅N₅O.2HCl.1.5H₂O **Batch MW:** 499.43

Appearance: Yellow solid

TLC (R_f): 0.25 DCM/MeOH/NH₃ (9:1:0.1)

Chemical Purity: 99.6%

Optical Purity (ee):

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: C, H, and N fit within 0,4% of theoretical calculation

Storage Conditions: Store at +4°C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	47.2	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	10.0	20.0	
	EtOH			Not Tested

Remarks: Microanalysis: Calcd. C 57.72, H 6.05, N 14.02; Found: C 57.80, H 5.81, N 13.96.

QC Date: 7/18/2013

The purity of Axon products 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 Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only