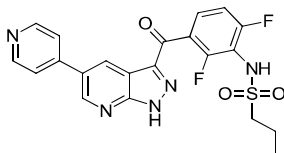




## Certificate of Analysis

**Axon Catalogue ID:** 4195 **Batch Number:** 1  
**Product Name:** HRX215  
**Alternative Name(s):** LN3348; Darizmetinib  
**IUPAC Name:** N-(2,6-Difluoro-3-(5-(pyridin-4-yl)-1H-pyrazolo[3,4-b]pyridine-3-carbonyl)phenyl)propane-1-sulfonamide

**Structure:**



**Amount:**

**CAS number(s):** 2369583-33-3  
**Molecular Formula:** C<sub>21</sub>H<sub>17</sub>F<sub>2</sub>N<sub>5</sub>O<sub>3</sub>S **Molecular Weight:** 457.46  
**Batch Molecular Formula:** C<sub>21</sub>H<sub>17</sub>F<sub>2</sub>N<sub>5</sub>O<sub>3</sub>S.0.5H<sub>2</sub>O **Batch Molecular Weight:** 466.46  
**Appearance:** Off-white solid **Observed mp:** 208.5 - 210.5 °C  
**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH (20:1)  
**Chemical Purity:** 98.8%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 54.07, H 3.89, N 15.01; Found: C 53.71, H 3.85, N 14.70  
**Storage Conditions:** Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	46.6	>100 mM	
	EtOH	0.0	0.0	Insoluble

**Remarks:**

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**