

## Certificate of Analysis

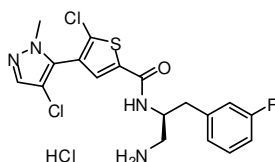
**Axon Catalogue ID:** 2460 **Batch Number:** 1

**Product Name:** GSK 2110183 hydrochloride

**Alternative Name(s):** Afuresertib hydrochloride

**IUPAC Name:** N-((S)-1-Amino-3-(3-fluorophenyl)propan-2-yl)-5-chloro-4-(4-chloro-1-methyl-1H-pyrazol-5-yl)thiophene-2-carboxamide hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 1047644-62-1 (parent), 1047645-82-8 (HCl (1:1))

**Molecular Formula:** C<sub>18</sub>H<sub>17</sub>Cl<sub>2</sub>FN<sub>4</sub>OS.HCl **Molecular Weight:** 463.78

**Batch Molecular Formula:** C<sub>18</sub>H<sub>17</sub>Cl<sub>2</sub>FN<sub>4</sub>OS.HCl.0.5H<sub>2</sub>O **Batch Molecular Weight:** 472.79

**Appearance:** Off-white solid **Observed mp:** 117 °C

**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH/NH<sub>3</sub> (9:1:0.1)

**Chemical Purity:** 99.2%

**Optical Purity (ee):** N.A.

**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** Calculated: C 45.73, H 4.05, N 11.85; Found: C 45.59, H 4.17, N 11.65

**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	47.3	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	47.3	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 15-9-2020

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

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