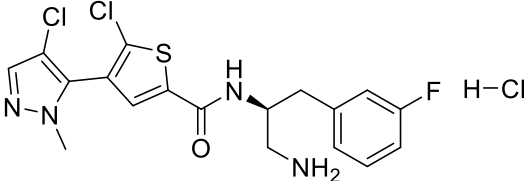




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
205478	Afuresertib HCl	CRB50512

Chemical 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	
Synonyms	
GSK-2110183; GSK 2110183; GSK2110183; GSK-2110183B; GSK 2110183B; GSK2110183B; Afuresertib	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 205478 Name: Afuresertib HCl (GSK2110183) CAS#: 1047645-82-8 Lot#: C20R02B21 Chemical Formula: C ₁₈ H ₁₈ Cl ₃ FN ₄ OS Molecular Weight: 463.78 <i>Afuresertib (free base)</i> Chemical Formula: C ₁₈ H ₁₇ Cl ₂ FN ₄ OS <i>Exact Mass: 426.04842; Molecular Weight: 427.32</i>

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>99.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE