

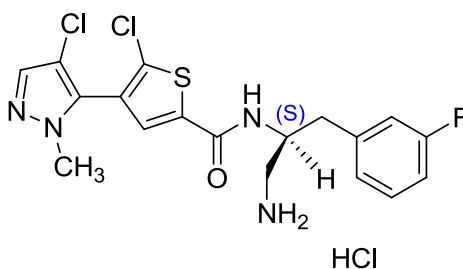


Northeast Business Center

7301 E. 90th Street, Suite 117, Indianapolis, IN 46256, USA

Phone: 317.598.0828 Fax: 317.598.0835 www.chemietek.com

Certificate of Analysis



Product Name:	Afuresertib (Hydrochloride)
Synonym:	GSK-2110183
CAS No:	1047645-82-8
Prod. No:	CT-GSK211
Lot No:	01
Batch Empirical Formula	C ₁₈ H ₁₇ Cl ₂ FN ₄ OS·HCl
Batch Empirical. Wt.	463.8
Solubility	Soluble in DMSO (46.4mg/ml, 100mM), in Water/DMSO (1/1) (23.2mg/ml, 50mM)
Storage	Store at 0 °C (short term), -20 °C (long term), desiccated

Appearance	White to off-white crystalline solid/powder
Quality Control	MS: [✓] ¹ HNMR: [✓] HPLC: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] C ₁₈ H ₁₇ Cl ₂ FN ₄ OS·HCl Calculated: C: 46.62%; H: 3.91%; N: 12.08% Found: C: 46.31%; H: 3.88%; N: 11.98%
Chemical Purity	>99% (HPLC at 214 nm) >99% (HPLC at 254 nm)
Optical Purity (ee)	100% (Chiral HPLC)