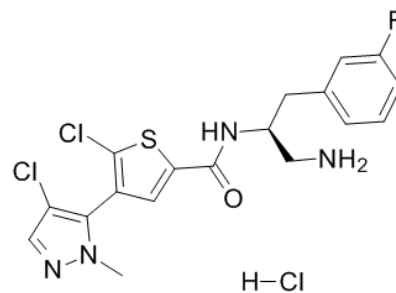


Product Name : Afuresertib hydrochloride
Cat. No. : PC-44665
CAS No. : 1047645-82-8
Molecular Formula : C₁₈H₁₈Cl₃FN₄OS
Molecular Weight : 463.7841
Target : Akt
Solubility : DMSO: ≥ 52 mg/mL



Biological Activity

Afuresertib (GSK2110183) hydrochloride potent, selective, ATP-competitive **pan-AKT** inhibitor with biochemical IC₅₀ of 0.08/2/2.6 nM for AKT1/2/3.

Afuresertib (GSK2110183) also inhibits PKA (IC₅₀=1.3 nM) and AKT1 E17K mutant (IC₅₀=0.2 nM), selective over PKC, PKG isoforms and p70S6K.

Afuresertib (GSK2110183) is orally bioactive.

References

Dumble M, et al. *PLoS One*. 2014 Jun 30;9(6):e100880.

Spencer A, et al. *Blood*. 2014 Oct 2;124(14):2190-5.

Arceci RJ, et al. *Pediatr Blood Cancer*. 2017 May;64(5).

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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