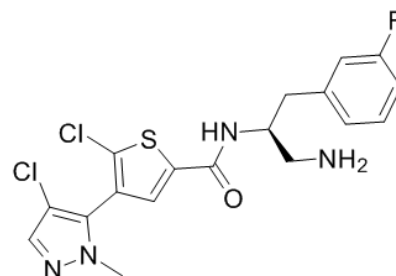


**Product Name** : Afuresertib  
**Cat. No.** : PC-44664  
**CAS No.** : 1047644-62-1  
**Molecular Formula** : C<sub>18</sub>H<sub>17</sub>Cl<sub>2</sub>FN<sub>4</sub>OS  
**Molecular Weight** : 427.3232  
**Target** : Akt  
**Solubility** : DMSO: ≥ 40 mg/mL



## Biological Activity

Afuresertib (GSK2110183) is a potent, selective, ATP-competitive pan-**AKT** inhibitor with biochemical IC<sub>50</sub> of 0.08/2/2.6 nM for AKT1/2/3.

Afuresertib (GSK2110183) also inhibits PKA (IC<sub>50</sub>=1.3 nM) and AKT1 E17K mutant (IC<sub>50</sub>=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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