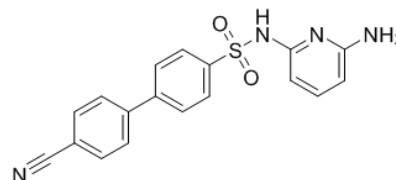


**Product Name** : PF-915275  
**Cat. No.** : PC-45408  
**CAS No.** : 857290-04-1  
**Molecular Formula** : C<sub>18</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>S  
**Molecular Weight** : 350.3943  
**Target** : 11 $\beta$ -HSD  
**Solubility** : DMSO:  $\geq$  31 mg/mL



### Biological Activity

PF-915275 is a specific and potent inhibitor of the human **11 $\beta$ -HSD1** with K<sub>i</sub> of 2.3 nM and in vitro HEK293 EC<sub>50</sub> of 15 nM, with minimal inhibitory activity toward the mouse enzyme (K<sub>i</sub>=750 nM).

PF-915275 does not significantly inhibit 11 $\beta$ -HSD2.

PF-915275 dose-dependently inhibits 11 $\beta$ HSD1-mediated conversion of prednisone to prednisolone (3-mg/kg, 87% inhibition) in cynomolgus monkeys.

### References

Siu M, et al. *Bioorg Med Chem Lett*. 2009 Jul 1;19(13):3493-7.

Bhat BG, et al. *J Pharmacol Exp Ther*. 2008 Jan;324(1):299-305.

Dorniak P, et al. *Endocrinology*. 2013 Feb;154(2):931-41.

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

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