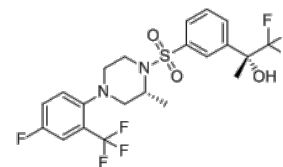


**Product Name** : HSD-016  
**Cat. No.** : PC-35574  
**CAS No.** : 946396-92-5  
**Molecular Formula** : C<sub>21</sub>H<sub>21</sub>F<sub>7</sub>N<sub>2</sub>O<sub>3</sub>S  
**Molecular Weight** : 514.459  
**Target** : 11β-HSD  
**Solubility** : 10 mM in DMSO



## Biological Activity

HSD-016 (HSD016) is a potent, selective, and efficacious **11β-HSD1** inhibitor with IC<sub>50</sub> of 149 and 530 nM for mouse and human 11β-HSD1, respectively.

HSD-016 significantly inhibits the 11β-HSD1 activity in mice 3T3-L1 adipocytes with IC<sub>50</sub> of 362 nM.

HSD-016 (HSD016) has entered phase I clinical trials for the treatment of diabetes.

## References

Wan ZK, et al. *J Org Chem*. 2011 Sep 2;76(17):7048-55.

Hong SP, et al. *Eur J Pharmacol*. 2018 Aug 7. pii: S0014-2999(18)30450-3.

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

E-mail: tech@probechem.com