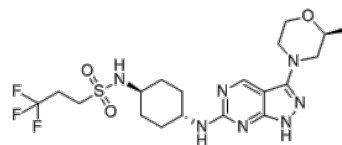


**Product Name** : GSK3186899  
**Cat. No.** : PC-35894  
**CAS No.** : 1972617-87-0  
**Molecular Formula** : C<sub>19</sub>H<sub>28</sub>F<sub>3</sub>N<sub>7</sub>O<sub>3</sub>S  
**Molecular Weight** : 491.534  
**Target** : Parasite  
**Solubility** : 10 mM in DMSO



## Biological Activity

GSK3186899 (GSK-3186899, DDD853651) is a novel specific inhibitor of parasite **cdc-2-related kinase 12 (CRK12)**, shows activity against *L. donovani* in intra-macrophage assay with EC<sub>50</sub> value of 1.4 μM, and shows good selectivity against mammalian THP-1 host cells (EC<sub>50</sub> > 50 μM).

GSK3186899 also shows activity against *L. donovani* axenic amastigotes with EC<sub>50</sub> of 17 nM.

GSK3186899 demonstrates efficacy mouse model of visceral leishmaniasis.

## References

Wyllie S, et al. *Nature*. 2018 Aug;560(7717):192-197.

Thomas MG, et al. *J Med Chem*. 2018 Dec 20. doi: 10.1021/acs.jmedchem.8b01218.

WIPO patent WO/2016/116563 (2016).

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

E-mail: tech@probechem.com