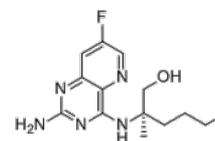


**Product Name** : Selgantolimod  
**Cat. No.** : PC-36098  
**CAS No.** : 2004677-13-6  
**Molecular Formula** : C<sub>14</sub>H<sub>20</sub>FN<sub>5</sub>O  
**Molecular Weight** : 293.346  
**Target** : Toll-like Receptor (TLR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Selgantolimod (GS-9688; GS9688) is a potent, selective and orally bioavailable **TLR8** agonist with IL-12p40 EC<sub>50</sub> of 220 nM, >100-fold TLR7 selectivity (IFN- $\alpha$ , EC<sub>50</sub> >50  $\mu$ M).

Selgantolimod (GS-9688) reduced in viral markers was observed in HBV-infected primary human hepatocytes treated with media from PBMCs.

Selgantolimod (GS-9688) (3 mg/kg) induced a >5 log<sub>10</sub> reduction in serum viral load and reduced woodchuck hepatitis virus surface antigen (WHsAg) levels in woodchucks.

## References

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- PCT Int. Appl. (2016), WO 2016141092 A1 20160909.
- Daffis S, et al. Hepatology. 2021 Jan;73(1):53-67.
- Mackman RL, et al. J Med Chem. 2020 Sep 24;63(18):10188-10203.

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

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