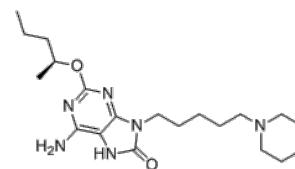


**Product Name** : GSK2245035  
**Cat. No.** : PC-63385  
**CAS No.** : 1207629-49-9  
**Molecular Formula** : C<sub>20</sub>H<sub>34</sub>N<sub>6</sub>O<sub>2</sub>  
**Molecular Weight** : 390.532  
**Target** : Toll-like Receptor (TLR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

GSK2245035 is a highly potent, selective **TLR7** agonist that selectively induces TNF- $\alpha$  in PBMC assays with pEC<sub>50</sub> of 9.3, >2 logs selectivity over TNF $\alpha$  pEC<sub>50</sub>.

GSK2245035 suppresses Th2 cytokine responses to allergens in human cell cultures, causes local upregulation of TLR7-mediated cytokines (IP-10) in vivo after intranasal administration at very low doses.

## References

Biggadike K, et al. *J Med Chem.* 2016 Mar 10;59(5):1711-26.

Ellis AK, et al. *Clin Exp Allergy.* 2017 Sep;47(9):1193-1203.

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

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