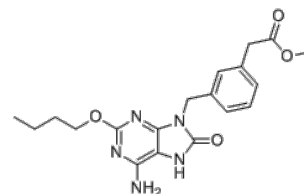


**Product Name** : SM-324405  
**Cat. No.** : PC-63387  
**CAS No.** : 677773-91-0  
**Molecular Formula** : C<sub>19</sub>H<sub>23</sub>N<sub>5</sub>O<sub>4</sub>  
**Molecular Weight** : 385.424  
**Target** : Toll-like Receptor (TLR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

SM-324405 is a potent, selective **TLR7** agonist with EC<sub>50</sub> of 50 nM, induces IFN- $\alpha$  and - $\gamma$  expression in human PBMCs and mouse splenocytes, inhibits IL-5 production in human PBMCs in vitro.

## References

- Kurimoto A, et al. *J Med Chem.* 2010 Apr 8;53(7):2964-72.  
Biffen M, et al. *Br J Pharmacol.* 2012 May;166(2):573-86.

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

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