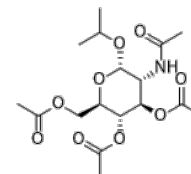


**Product Name** : TLR4-IN-C34  
**Cat. No.** : PC-26584  
**CAS No.** : 40592-88-9  
**Molecular Formula** : C<sub>17</sub>H<sub>27</sub>NO<sub>9</sub>  
**Molecular Weight** : 389.40  
**Target** : Toll-like Receptor (TLR)  
**Solubility** : 10 mM in DMSO



### Biological Activity

TLR4-IN-C34 is a potent TLR4 antagonist, inhibits LPS-induced IL6, IL1 $\beta$ , and TNF $\alpha$  mRNA levels in IEC6 cells, inhibits TLR4 in enterocytes and macrophages in vitro, and reduces systemic inflammation in mouse models of endotoxemia and necrotizing enterocolitis.

### References

Wipf P, et al. Tetrahedron Lett. 2015 Jun 3;56(23):3097-3100.

Neal MD, et al. PLoS One. 2013 Jun 12;8(6):e65779.

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

E-mail: tech@probechem.com