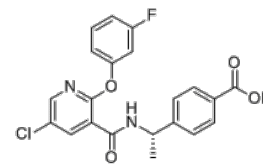


**Product Name** : AAT-008  
**Cat. No.** : PC-61499  
**CAS No.** : 847727-81-5  
**Molecular Formula** : C<sub>21</sub>H<sub>16</sub>ClFN<sub>2</sub>O<sub>4</sub>  
**Molecular Weight** : 414.817  
**Target** : Prostaglandin Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

AAT-008 is a potent, and selective prostaglandin **EP4** receptor antagonist with binding IC<sub>50</sub> of 2.4 nM.

AAT-008 shows little or no activity for hEP1/2/3 (IC<sub>50</sub>>1890 nM).

AAT-008 inhibits PGE<sub>2</sub>-induced cAMP in human EP4 transfectant with pA<sub>2</sub> of 8.97.

AAT-008 exhibits significantly improved pharmacological profiles over grapiprant in acute and chronic inflammatory pain models in rats.

## References

Okumura Y, et al. *Bioorg Med Chem Lett*. 2017 Mar 1;27(5):1186-1192.

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

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