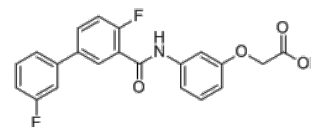


**Product Name** : PGN-9856  
**Cat. No.** : PC-35836  
**CAS No.** : 863704-91-0  
**Molecular Formula** : C<sub>21</sub>H<sub>15</sub>F<sub>2</sub>NO<sub>4</sub>  
**Molecular Weight** : 383.351  
**Target** : Prostaglandin Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

PGN-9856 (PGN9856) is a novel potent, selective **prostaglandin EP2 receptor** agonist with pKi of > 8.3, shows high selectivity over EP1, EP3, EP4, DP, FP, IP and TP receptors.

PGN-9856 displays a potency (pEC<sub>50</sub> >8.5) and a maximal response (increase in cAMP) comparable to that of the endogenous agonist PGE<sub>2</sub> in cells over-expressing human recombinant EP2 receptors.

PGN-9856 exhibited tocolytic, anti-inflammatory, and long-acting ocular hypotensive properties consistent with its potent EP2 agonist properties.

## References

Coleman RA, et al. *Br J Pharmacol.* 2018 Oct 20. doi: 10.1111/bph.14525.

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

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