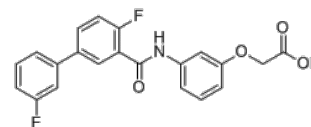


Product Name : PGN-9856
Cat. No. : PC-35836
CAS No. : 863704-91-0
Molecular Formula : C₂₁H₁₅F₂NO₄
Molecular Weight : 383.351
Target : Prostaglandin Receptor
Solubility : 10 mM in DMSO



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 (pEC₅₀ >8.5) and a maximal response (increase in cAMP) comparable to that of the endogenous agonist PGE₂ 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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