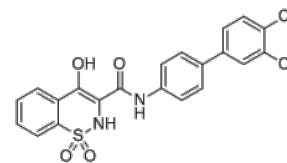


Product Name : PF-9184
Cat. No. : PC-61665
CAS No. : 1221971-47-6
Molecular Formula : C₂₁H₁₄Cl₂N₂O₄S
Molecular Weight : 461.3
Target : PGE synthase
Solubility : 10 mM in DMSO



Biological Activity

PF-9184 is a potent, selective **mPGES-1** (microsomal prostaglandin E synthase-1) inhibitor with IC₅₀ of 16.5 nM.

PF-9184 shows no effect against COX-1 and COX-2 (>6,500-fold selectivity).

PF-9184 inhibits PGE₂ synthesis in serum-free cell and human whole blood cultures with IC₅₀ of 0.5-5 μM, while sparing the synthesis of PGF(1α) and PGF(2α).

References

Mbalaviele G, et al. *Biochem Pharmacol.* 2010 May 15;79(10):1445-54.

Chang HH, et al. *Future Med Chem.* 2011 Nov;3(15):1909-34.

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

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