

Product Name : PF-9184

Synonyms : PF9184

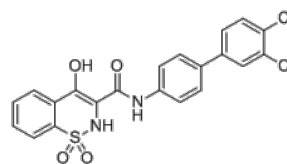
Cat No. : M10842

CAS Number : 1221971-47-6

Molecular Formula : C₂₁H₁₄Cl₂N₂O₄S

Formula Weight : 461.30

Chemical Name : 2H-1,2-Benzothiazine-3-carboxamide, N-(3',4'-dichloro[1,1'-biphenyl]-4-yl)-4-hydroxy-, 1,1-dioxide



Description : PF-9184 is a potent, selective mPGES-1 (microsomal prostaglandin E synthase-1) inhibitor with IC₅₀ of 16.5 nM; shows no effect against COX-1 and COX-2 (>6,500-fold selectivity); inhibits PGE₂ synthesis in serum-free cell and human whole blood cultures with IC₅₀ of 0.5-5 uM, while sparing the synthesis of PGF(1α) and PGF(2α).

Pathway : Immunology/Inflammation

Target : PGE synthase

Receptor : PGE synthase

Solubility : —

SMILES : O=C(C1=C(O)C2=CC=CC=C2S(N1)(=O)=O)NC3=CC=C(C4=CC=C(C(Cl)C(Cl)=C4)C=C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Mbalaviele G, et al. Biochem Pharmacol. 2010 May 15;79(10):1445-54. 2. Chang HH, et al. Future Med Chem. 2011 Nov;3(15):1909-34.