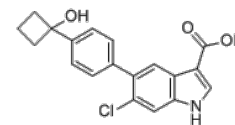


Product Name : PF-06409577
Cat. No. : PC-60632
CAS No. : 1467057-23-3
Molecular Formula : C₁₉H₁₆ClNO₃
Molecular Weight : 341.79
Target : AMPK
Solubility : 10 mM in DMSO



Biological Activity

PF-06409577 (PF06409577, PF 6409577) is a potent, selective **AMPK** β 1-containing isoforms activator with TR-FRET EC₅₀ of 7.0 and 6.8 nM for α 1 β 1 γ 1 and α 2 β 1 γ 1, respectively.

PF-06409577 displays no activity for α 1 β 2 γ 1/ α 2 β 2 γ 1/ α 2 β 2 γ 3 with EC₅₀ >40 μ M.

PF-06409577 elevates the phosphorylation of AMPK in the kidney, without impacting blood glucose levels.

PF-06409577 and reduces the progression of proteinuria in rat model of diabetic nephropathy.

References

Cameron KO, et al. *J Med Chem.* 2016 Sep 8;59(17):8068-81.

Salatto CT, et al. *J Pharmacol Exp Ther.* 2017 May;361(2):303-311.

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

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