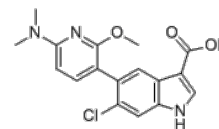


Product Name : PF-06685249
Cat. No. : PC-62774
CAS No. : 1467059-70-6
Molecular Formula : C₁₇H₁₆ClN₃O₃
Molecular Weight : 345.783
Target : AMPK
Solubility : 10 mM in DMSO



Biological Activity

PF-06685249 (PF06685249, PF-249) is a novel potent, orally active, α 1 β 1 γ 1/ α 2 β 1 γ 1-isoform selective **AMPK** activator with K_d of 14 nM, EC₅₀ of 12 nM for α 1 β 1 γ 1-AMPK.

PF-06685249 (PF06685249, PF-249) shows minimal activity at the β 2-containing isoforms (α 1 β 2 γ 1, α 2 β 2 γ 1, α 2 β 2 γ 3).

PF-06685249 (PF06685249, PF-249) demonstrates in vivo target engagement experiment in ZSF-1 rats, an obese/diabetic rodent model of diabetic nephropathy.

References

Edmonds DJ, et al. *J Med Chem.* 2018 Feb 28. doi: 10.1021/acs.jmedchem.7b01641.

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

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