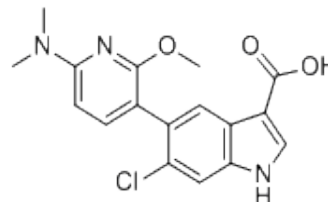


Data Sheet

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Product Name : PF-06685249
Cat.No. : URK-V2354
CAS No. : 1467059-70-6
Molecular Formula : $C_{17}H_{16}ClN_3O_3$
Molecular Weight : 345.783
Target : AMPK
Solubility :



Biological Activity

PF-06685249 (PF06685249, PF-249) is a novel potent, orally active, $\alpha 1\beta 1\gamma 1/\alpha 2\beta 1\gamma 1$ -isoform selective AMPK activator with K_d of 14 nM, EC_{50} of 12 nM for $\alpha 1\beta 1\gamma 1$ -AMPK.

PF-06685249 (PF06685249, PF-249) shows minimal activity at the $\beta 2$ -containing isoforms ($\alpha 1\beta 2\gamma 1$, $\alpha 2\beta 2\gamma 1$, $\alpha 2\beta 2\gamma 3$).

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

References

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

Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!

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

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