

Product Name : PF-06679142

Synonyms : PF06679142

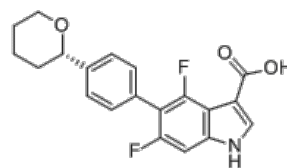
Cat No. : M12000

CAS Number : 1467059-66-0

Molecular Formula : C₂₀H₁₇F₂NO₃

Formula Weight : 357.36

Chemical Name : (S)-4,6-difluoro-5-(4-(tetrahydro-2H-pyran-2-yl)phenyl)-1H-indole-3-carboxylic acid



Description : PF-06679142 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, EC₅₀ of 22 nM for $\alpha 1\beta 1\gamma 1$ -AMPK, shows minimal activity at the $\beta 2$ -containing isoforms ($\alpha 1\beta 2\gamma 1$, $\alpha 2\beta 2\gamma 1$, $\alpha 2\beta 2\gamma 3$); demonstrates in vivo target engagement experiment in ZSF-1 rats, an obese/diabetic rodent model of diabetic nephropathy.

Pathway : Membrane Transporter/Ion Channel

Target : AMPK

Receptor : AMPK

Solubility : —

SMILES : O=C(C1=CNC2=C1C(F)=C(C3=CC=C([C@@H]4CCCCO4)C=C3)C(F)=C2)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

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