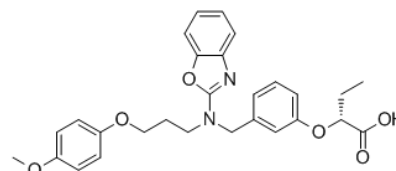


Product Name : Pemaifibrate
Cat. No. : PC-45390
CAS No. : 848259-27-8
Molecular Formula : C₂₈H₃₀N₂O₆
Molecular Weight : 490.5476
Target : PPAR
Solubility : DMSO: 2.45 mg/mL (5 mM)



Biological Activity

Pemaifibrate (K-877) is a highly potent, specific **PPAR α** agonist with EC₅₀ of 1 nM.

Pemaifibrate (K-877) displays >2,000-fold selectivity for PPAR α over others subtypes in a CHO cell-based transactivation assay.

Pemaifibrate (K-877) upregulates the expression of several fatty acid β -oxidative genes in human hepatocytes and the mouse liver.

Pemaifibrate (K-877) significantly induces the expression of clinically beneficial target genes (VLDLR, FGF21, ABCA1, MBL2, ENPEP) in human hepatocytes.

References

Ishibashi S, et al. *Atherosclerosis*. 2016 Jun;249:36-43.

Yamazaki Y, et al. *Bioorg Med Chem Lett*. 2007 Aug 15;17(16):4689-93.

Raza-Iqbal S, et al. *J Atheroscler Thromb*. 2015 Aug 26;22(8):754-72.

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

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