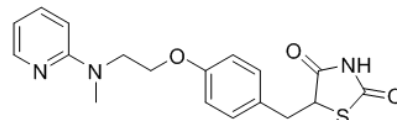


Product Name : Rosiglitazone
Cat. No. : PC-45209
CAS No. : 122320-73-4
Molecular Formula : C₁₈H₁₉N₃O₃S
Molecular Weight : 357.4268
Target : PPAR
Solubility : DMSO: ≥ 180 mg/mL



Biological Activity

Rosiglitazone (BRL49653) is a potent and selective **PPAR γ** agonist that binds to the PPAR γ ligand-binding domain with a K_d of 40 nM.

Rosiglitazone (BRL49653) is an antidiabetic agent that has been used as an oral hypoglycemic agent in the treatment of Type II diabetes.

Rosiglitazone (BRL49653) also inhibits TRP channels **TRPM2** and **TRPM3** with IC₅₀ of 22.5 μ M and 5-10 μ M, respectively. Rosiglitazone (BRL49653) also increases klotho and decreases Wnt5A in tumor cells.

References

Lehmann JM, et al. *J Biol Chem*. 1995 Jun 2;270(22):12953-6.

Majeed Y, et al. *Mol Pharmacol*. 2011 Jun;79(6):1023-30.

Behera R, et al. *Clin Cancer Res*. 2017 Jun 15;23(12):3181-3190.

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

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