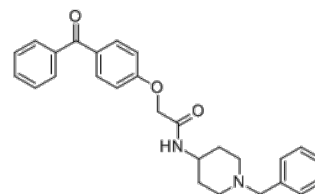


Product Name : AdipoRon
Cat. No. : PC-73200
CAS No. : 924416-43-3
Molecular Formula : C₂₇H₂₈N₂O₃
Molecular Weight : 428.52
Target : Adiponectin Receptor
Solubility : 10 mM in DMSO



Biological Activity

AdipoRon is an orally active, small-molecule adiponectin receptor (AdipoR) agonist, binds to both AdipoR1 and AdipoR2 with K_d of 1.8 and 3.1 μM, respectively.

AdipoRon showed very similar effects to adiponectin in muscle and liver, such as activation of AMPK and PPAR-α pathways, and ameliorated insulin resistance and glucose intolerance in mice fed a high-fat diet.

AdipoRon ameliorated diabetes of genetically obese rodent model db/db mice, and prolonged the shortened lifespan of db/db mice on a high-fat diet.

AdipoRon attenuates postischemic myocardial apoptosis through both AMPK-mediated and AMPK-independent signalings.

AdipoRon inhibits leptin induced pSTAT3 and in vivo pancreatic tumor growth.

References

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

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