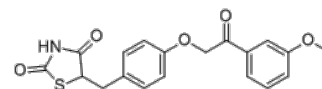


Product Name : MSDC-0602
Cat. No. : PC-38093
CAS No. : 1133819-87-0
Molecular Formula : C₁₉H₁₇NO₅S
Molecular Weight : 371.4
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

MSDC-0602 (Azemiglitazone) is a PPAR γ -sparing thiazolidinedione insulin sensitizer, targets mitochondrial pyruvate carrier protein (MPC) Mpc1 and Mpc2.

MSDC-0602 prevented and reversed liver fibrosis and suppressed expression of markers of stellate cell activation in livers of mice fed a diet rich in trans-fatty acids, fructose, and cholesterol.

MSDC-0602 directly reduced hepatic stellate cell activation in vitro.

MSDC-0602 treatment or hepatocyte MPC2 deletion also limited stellate cell activation indirectly by affecting secretion of exosomes from hepatocytes.

References

Colca JR, et al. *PLoS One*. 2013 May 15;8(5):e61551.

Fukunaga T, et al. *J Bone Miner Res*. 2015 Mar;30(3):481-8.

McCommis KS, et al. *Hepatology*. 2017 May;65(5):1543-1556.

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

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