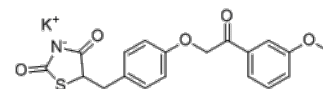


Product Name : MSDC-0602K
Cat. No. : PC-38092
CAS No. : 1314533-27-1
Molecular Formula : C₁₉H₁₆KNO₅S
Molecular Weight : 409.497
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

MSDC-0602K (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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