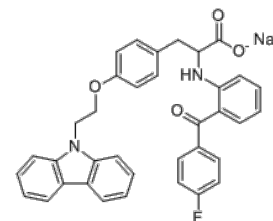


Product Name : Chiglitazar
Cat. No. : PC-35795
CAS No. : 743438-45-1
Molecular Formula : $C_{36}H_{29}FN_2O_4$
Molecular Weight : 572.64
Target : PPAR
Solubility : 10 mM in DMSO



Biological Activity

Chiglitazar (Carfloglitazar, CS-038, CS038) is a potent, dual **PPAR α / γ** dual agonist with EC50 of 1.2, 0.08, 1.7 μ M for PPAR α , PPAR γ and PPAR δ , respectively.

Chiglitazar (Carfloglitazar, CS-038) inhibited alanine gluconeogenesis, lowered the hepatic glycogen level in MSG obese rats.

Like rosiglitazone, chiglitazar promoted the differentiation of adipocytes and decreased the maximal diameter of adipocytes.

Chiglitazar reduced plasma triglyceride, total cholesterol (TCHO), nonesterified fatty acids (NEFA) and low density lipoprotein-cholesterol levels.

Chiglitazar (Carfloglitazar, CS-038 lowered hepatic triglyceride and TCHO contents, decreased muscular NEFA level.

Unlike rosiglitazone, chiglitazar showed significant increase of mRNA expression of PPAR α , CPT1, BIEFZ, ACO and CYP4A10 in the liver of MSG obese rats.

References

Li PP, et al. **Br J Pharmacol.** 2006 Jul;148(5):610-8.

He BK, et al. *PPAR Res.* 2012;2012:546548.Pan DS, et al. **PPAR Res.** 2017;2017:4313561.

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

E-mail: tech@probechem.com