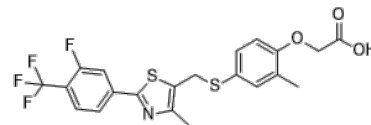


Product Name : GW0742
Cat. No. : PC-22387
CAS No. : 317318-84-6
Molecular Formula : C₂₁H₁₇F₄NO₃S₂
Molecular Weight : 471.48
Target : PPAR
Solubility : 10 mM in DMSO



Biological Activity

GW0742 is a potent, selective small molecule agonist of PPAR δ with EC₅₀ of 1.0 nM, 1000-fold selectivity over the other human PPAR subtypes.

GW0742 can restore partly the expression of certain key genes of fatty acid oxidation in mouse adult cardiomyocytes isolated from PPAR α knockout mice.

GW0742 significantly reduces cell death during a 12-hr exposure to low-KCl media in rat cultured cerebellar granule neurons.

References

Sznajdman ML, et al. Bioorg Med Chem Lett. 2003 May 5;13(9):1517-21.

Cheng L, et al. Biochem Biophys Res Commun. 2004 Jan 9;313(2):277-86.

Smith SA, et al. J Neurosci Res. 2004 Jul 15;77(2):240-9.

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

E-mail: tech@probechem.com