Product Name: GW1929
CAS No.: 196808-24-9
Cat. No.: HY-15655
M.Wt.: 495.57
Formula: C30H29N3O4
Purity: >98%
Solubility: DMSO

Mechanisms: Pathways: Cell Cycle/DNA Damage; Target: PPAR
Pathways: NF-KB; Target: PPAR

Biological Activity:
GW1929 is a synthetic peroxisome proliferator-activated receptor-γ (PPARγ) agonist with IC50 of 6.2 nM and 13 nM for human and mouse, respectively. IC50 Value: 6.2 nM(hPPARγ); 13 nM(mPPARγ)
Target: PPARγ
in vitro: Using Ba2+ (10 mmol/l) as the charge carrier through VDCC, the half-inhibition constants (IC50) for GI 262570, GW 7845, GW 1929, and pioglitazone were 2.0 +/- 0.5, 3.0 +/- 0.5, 5.0 +/- 0.7, and 10.0 +/- 0.8 mumol/l, respectively [1]. PPARγ agonist GW1929 significantly decreased TRPC1 and TRPC6 expression in PASMCs [2].
in vivo: GW1929 treatment significantly attenuated the neurological damage in focal cerebral IR injury. Neuroprotective effects of GW1929 were found to be associated with significant reduction in the COX-2, iNOS, MMP-9, TNFα and IL-6 levels [3]. GW1929 treatment significantly ameliorated cerebral IR induced neurological symptoms, hyperlocomotion...

References:
[4]. Kaundal RK, Sharma SS. GW1929: a nonthiazolidinedione PPARγ agonist, ameliorates neurological damage in global cerebral ischemic-reperfusion injury through reduction in inflammation and DNA fragmentation. Behav Brain Res. 2011 Jan 20;216(...