

Product Datasheet

GW1929 (orb1219714)

Catalog Number	orb1219714
Category	Small Molecules
Description	<p>GW1929 is a potent PPAR-γ agonist (pKi: 8.84 for human PPAR-γ; pEC50s of 8.56 and 8.27 for human and murine PPAR-γ).GW1929 is a potent PPAR-γ activator, with pEC50s of 8.56 and 8.27 for human PPAR-γ and murine PPAR-γ, and pKis of 8.84, < 5.5, and < 6.5 for human PPAR-γ, PPAR-α, and PPAR-δ, respectively. GW1929 (10 μM) inhibits TBBPA-induced caspase-3 increase and TBBPA-stimulated LDH release in neocortical cell cultures [2].GW1929 (0.5, 1, 5 mg/kg, p.o.) highly decreases nonfasted plasma glucose levels in Zucker diabetic fatty (ZDF) rats after treatment for 14 days and possesses antilipolytic efficacy. In ZDF rats, GW1929 (1, 5 mg/kg, p.o.) increases glucose-stimulated insulin secretion of β-cell.</p>
Target	PPAR
Purity	>98% (HPLC)
MW	495.57
Target Areas	PPAR γ
Solubility (25°C)	DMSO:33 mg/mL (66.59 mM)
CAS Number	196808-24-9
Formula	C ₃₀ H ₂₉ N ₃ O ₄
SMILES	CN(CCOc1ccc(C[C@H](Nc2ccccc2C(=O)c2ccccc2)C(O)=O)cc1)c1ccccc1
Storage	Storage temperature: -20°C. Stability: \geq 2 years
Note	For research use only

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Expiration Date 12 months from date of receipt.

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