
Product Data Sheet

Product Name: GW 1929 hydrochloride

Cat. No.: GC50019

Chemical Properties

Cas. No. 1217466-21-1

SMILES Cl.CN(CCOC1=CC=C(C[C@H](NC2=CC=CC=C2C(=O)C2=CC=CC=C2)C(O)=O)C=C1)C1=NC=CC=C1Formula C₃₀H₂₉N₃O₄.HCl M.Wt 532.03

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Highly selective orally active peroxisome proliferator-activated receptor (PPAR) γ agonist (pEC₅₀ values are 8.05, < 4 and < 4 for human PPAR γ , PPAR α and PPAR δ receptors respectively). Decreases glucose, fatty acid and triglyceride levels following oral administration in vivo.

Brown et al (1999) A novel N-aryl tyrosine activator of peroxisome proliferator-activated receptor- γ reverses the diabetic phenotype of the Zucker diabetic fatty rat. Diabetes 48 1415 PMID:10389847 |Nugent et al (2001) Potentiation of glucose uptake in 3T3-L1 adipocytes by PPAR γ agonists is maintained in cells expressing a PPAR γ dominant-negative mutant: evidence for selectivity in the downstream responses to PPAR γ activation. Mol.Endocrinol. 15 1729 PMID:11579205 |Way et al (2001) Adipose tissue resistin expression is severely suppressed in obesity and stimulated by peroxisome proliferator-activated receptor γ agonists. J.Biol.Chem. 276 25651 PMID:11373275

Caution: Product has not been fully validated for medical applications. For research use only.

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