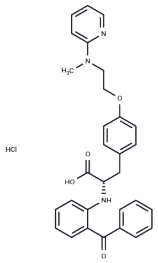
Data Sheet (Cat.No.T37579)

TargetMol

GW 1929 hydrochloride

Chemical Properties



CAS No. : 1217466-21-1

Formula: C30H30ClN3O4

Molecular Weight: 532.04

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Highly selective orally active peroxisome proliferator-activated receptor (PPAR)γ agonist (pEC50 values are 8.05, < 4 and < 4 for human PPARγ, PPARα and PPARδ receptors respectively). Decreases glucose, fatty acid and triglyceride levels following oral administration in vivo.
Targets(IC50)	Others,PPAR

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8796 mL	9.3978 mL	18.7956 mL
5 mM	0.3759 mL	1.8796 mL	3.7591 mL
10 mM	0.188 mL	0.9398 mL	1.8796 mL
50 mM	0.0376 mL	0.188 mL	0.3759 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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 PPARγ agonists is maintained in cells expressing a PPARγ dominant-negative mutant: evidence for selectivity in the downstream responses to PPARγ 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

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