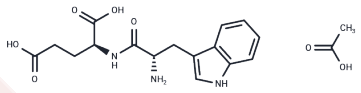
Data Sheet (Cat.No.T21598L)

TargetMol

G3335 Acetate

Chemical Properties



CAS No. :

Formula: C18H23N3O7

Molecular Weight: 393.39

Storage: Keep away from moisture
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	G3335 Acetate was discovered to be a novel PPARgamma antagonist.
Targets(IC50)	PPAR
In vitro	G3335 exhibits a highly specific binding affinity against PPARgamma (K(D) = 8.34 microM) and is able to block rosiglitazone, a potent PPARgamma agonist, in the stimulation of the interaction between the PPARgamma ligand-binding domain (LBD) and RXRalpha-LBD. Yeast two-hybrid assays demonstrated that G3335 exhibits strong antagonistic activity (IC50 = 8.67 microM) in perturbing rosiglitazone in the promotion of the PPARgamma-LBD-CBP interaction.

Solubility Information

Solubility	DMSO: 55 mg/mL (139.81 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.542 mL	12.710 mL	25.4201 mL
5 mM	0.5084 mL	2.542 mL	5.084 mL
10 mM	0.2542 mL	1.271 mL	2.542 mL
50 mM	0.0508 mL	0.2542 mL	0.5084 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

Ye F, et al. The dipeptide H-Trp-Glu-OH shows highly antagonistic activity against PPARgamma: bioassay with molecular modeling simulation. Chembiochem. 2006 Jan;7(1):74-8

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481