
Product Data Sheet

Product Name: CAY10599

Cat. No.: GC18876

Chemical Properties

Cas. No. 1143573-33-4

Chemical Name 2-[[1-[3-[4-([1,1'-biphenyl]-4-ylcarbonyl)-2-propylphenoxy]propyl]-1,2,3,4-tetrahydro-5-quinolinyl]oxy]-2-methyl-propanoic acid

SMILES CC(C)
(C(O)=O)OC1=CC=CC2=C1CCCN2CCCOC3=CC=C(C(C4=CC=C(C5=CC=CC=C5)C=C4)=O)C=C3CCCFormula C₃₈H₄₁NO₅ M.Wt 591.7

Solubility DMF: 25 mg/ml,DMSO: 25 mg/ml,Ethanol: 25 mg/ml Storage Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath tips 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

Thiazolidinediones (TZDs) are a group of structurally related peroxisome proliferator-activated receptor γ (PPAR γ) agonists with antidiabetic actions in vivo. The prototypical compound for this class is the TZD rosiglitazone (BRL 49653), which is currently marketed for the treatment of diabetes. CAY10599 is a PPAR γ agonist that is 4-fold more potent than rosiglitazone at the PPAR γ receptor demonstrating an EC₅₀ value of 0.05 μ M. This compound shows high selectivity for PPAR γ over PPAR α (EC₅₀ = 3.99 μ M) or PPAR δ (EC₅₀ > 10 μ M).

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

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