

CAY10573

Chemical Properties

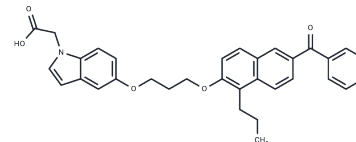
CAS No. : 853652-40-1

Formula: C₃₃H₃₁NO₅

Molecular Weight: 521.6

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	The peroxisome proliferator-activated receptors (PPARs) are lipid-activated transcription factors often used as drug targets for the treatment of metabolic disorders. CAY10573 is a PPAR agonist that displays potent binding at PPAR α , γ , and δ with IC ₅₀ values of 113, 50, and 223 nM, respectively. It potently transactivates PPAR α , γ , and δ with EC ₅₀ values of 8, 70, and 500 nM, respectively. CAY10573 demonstrates stronger binding and functional activity for PPAR γ than the antidiabetic compound rosiglitazone (IC ₅₀ = 92 nM; EC ₅₀ = 220 nM).
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Solubility Information

Solubility	DMF: 0.3 mg/mL DMSO: 0.5 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9172 mL	9.5859 mL	19.1718 mL
5 mM	0.3834 mL	1.9172 mL	3.8344 mL
10 mM	0.1917 mL	0.9586 mL	1.9172 mL
50 mM	0.0383 mL	0.1917 mL	0.3834 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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