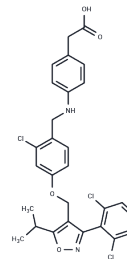


CAY10771

Chemical Properties

CAS No. : 2522599-79-5
 Formula: C₂₈H₂₅Cl₃N₂O₄
 Molecular Weight: 559.87
 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	CAY10771 is a dual agonist of farnesoid X receptor (FXR) and peroxisome proliferator-activated receptor δ (PPAR δ). It activates FXR and PPAR δ in reporter assays using HEK293T cells (EC ₅₀ s = 0.94 and 1.5 μ M, respectively) and is selective for these receptors over retinoic acid receptor α (RAR α), retinoid X receptor α (RXR α), PPAR α , PPAR γ , and liver X receptor α (LXR α) at 10 μ M.
Targets(IC50)	Others

Solubility Information

Solubility Acetonitrile: 5 mg/mL (8.93 mM), Sonication is recommended.
 (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7861 mL	8.9306 mL	17.8613 mL
5 mM	0.3572 mL	1.7861 mL	3.5723 mL
10 mM	0.1786 mL	0.8931 mL	1.7861 mL
50 mM	0.0357 mL	0.1786 mL	0.3572 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

Schierle, S., Neumann, S., Heitel, P., et al. Design and structural optimization of dual FXR/PPAR δ activators. *J. Med. Chem.* 63(15)8369-8379(2020)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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