

Product Data Sheet

Product Name: CAY10771

Cat. No.: GC48426

Chemical Properties

Cas. No. 2522599-79-5

SMILES C1C=CC=CC(Cl)=C1C2=NOC(C(C)C)=C2COC3=CC(Cl)=C(CNC4=CC=C(CC(O)=O)C=C4)C=C3

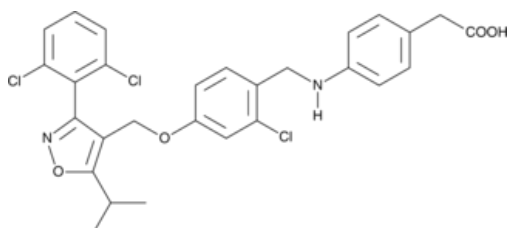
Formula C₂₈H₂₅Cl₃N₂O₄ M.Wt 559.9

Solubility Acetonitrile: 5 mg/ml Storage -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure



Background

CAY10771 is a dual agonist of farnesoid X receptor (FXR) and peroxisome proliferator-activated receptor δ (PPAR δ).¹ It activates FXR and PPAR δ in reporter assays using HEK293T cells (EC₅₀s = 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.

1. 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)

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

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