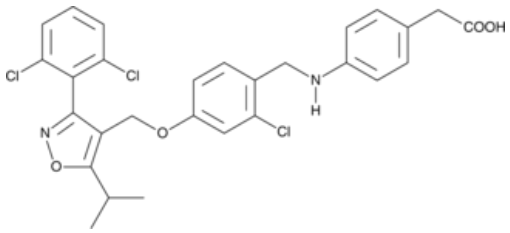
Product Data Sheet

Product Name: CAY10771
Cat. No.: GC48426

Chemical Properties

Cas. No.	2522599-79-5		
SMILES	ClC1=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 tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath 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

CAY10771 is a dual agonist of farnesoid X receptor (FXR) and peroxisome proliferator-activated receptor δ (PPARδ).[1] It activates FXR and PPARδ in reporter assays using HEK293T cells (EC_{50}s = 0.94 and 1.5 μM, respectively) and is selective for these receptors over retinoic acid receptor α (RARα), retinoid X receptor α (RXRα), PPARα, PPARγ, and liver X receptor α (LXRα) at 10 μM.

1.Schierle, S., Neumann, S., Heitel, P., et al.Design and structural optimization of dual FXR/PPARδ activatorsJ. 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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