

Product Data Sheet

Product Name: Cilofexor
Cat. No.: GC18212

Chemical Properties

Cas. No. 1418274-28-8

Chemical Name 2-[3-[2-chloro-4-[[5-cyclopropyl-3-(2,6-dichlorophenyl)-4-isoxazoly]methoxy]phenyl]-3-hydroxy-1-azetidiny]-4-pyridinecarboxylic acid

SMILES OC(C1=CC=NC(N2CC(C3=C(Cl)C=C(OCC4=C(C5CC5)ON=C4C6=C(Cl)C=CC=C6Cl)C=C3)(O)C2)=C1)=O

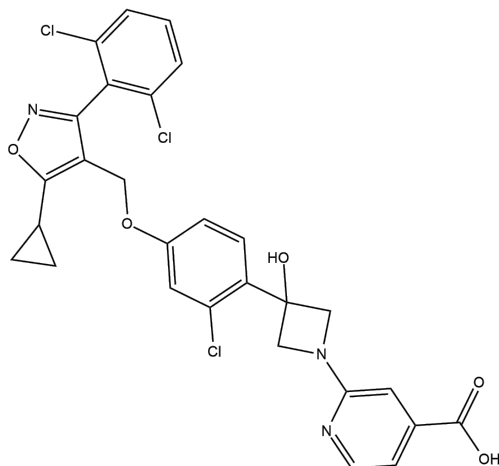
Formula $C_{28}H_{22}Cl_3N_3O_5$ M.Wt 586.9

Solubility DMF: 30 mg/ml, DMF:PBS (pH 7.2) (1:5): 0.16 mg/ml, DMSO: 15 mg/ml Storage Store at -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

Cilofexor inhibits binding of a synthetic peptide, comprising residues 676-700 of the steroid receptor coactivator 1 (SRC-1), to the farnesoid X receptor (FXR; EC₅₀ = <25 nM in a FRET activity assay). It has FXR agonist activity in a mammalian one hybrid (M1H) assay (EC₅₀ = >100 nM).

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

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