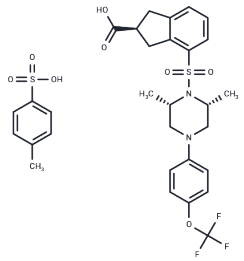
Data Sheet (Cat.No.T11747)

TargetMol

KD-3010

Chemical Properties



CAS No. : 934760-92-6

Formula: C30H33F3N2O8S2

Molecular Weight: 670.72

Storage: Store at low temperature
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	KD-3010 (Kalypsys) is an orally active potent and selective PPARδ agonist for the study of liver injury.
Targets(IC50)	PPAR
In vivo	To investigate the potential benefits of PPARδ agonists in experimental liver fibrosis, mice are orally treated with a PPARδ agonist, KD-3010, or the well-validated PPARδ agonist GW501516. In liver fibrosis induced by carbon tetrachloride (CCl4) or bile duct ligation (BDL), KD-3010, but not GW501516, demonstrates hepatoprotective and antifibrotic effects. The induction of liver injury is achieved through repeated injections of CCl4, and mice are orally administered vehicle, the widely used PPARδ agonist GW501516, or the PPARδ agonist KD-3010 on a daily basis. Control mice injected with oil do not exhibit liver damage. Liver injury, characterized by hepatocyte death and inflammation, is observed in the group treated with vehicle or GW501516 and injected with CCl4 based on H&E-stained liver sections, but this injury is markedly reduced in the KD-3010-treated group[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4909 mL	7.4547 mL	14.9094 mL
5 mM	0.2982 mL	1.4909 mL	2.9819 mL
10 mM	0.1491 mL	0.7455 mL	1.4909 mL
50 mM	0.0298 mL	0.1491 mL	0.2982 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

Iwaisako K, et al. Protection from liver fibrosis by a peroxisome proliferator-activated receptor δ agonist. Proc Natl Acad Sci U S A. 2012 May 22;109(21):E1369-76.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481