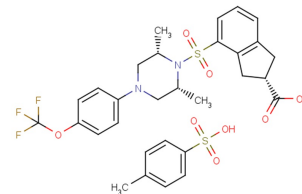


KD-3010

Chemical Properties

CAS No.:	934760-92-6
Formula:	C ₃₀ H ₃₃ F ₃ N ₂ O ₈ S ₂
Molecular Weight:	670.72
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	KD-3010 is a orally, potent active, and selective PPAR δ agonist.
Targets(IC ₅₀)	PPAR δ : None
In vivo	Liver injury is induced by repeated injections of CCl ₄ , and mice are treated daily with vehicle, the widely used PPAR δ agonist GW501516, or the PPAR δ agonist KD-3010 by oral gavage. Control oil-injected mice do not show any liver damage. Liver injury consisting of hepatocyte death and inflammation is seen in the vehicle- or GW501516-treated group injected with CCl ₄ on H&E-stained liver sections but is markedly reduced in the KD3010-treated group. To determine whether PPAR δ agonists are beneficial in experimental liver fibrosis, mice are treated orally with a PPAR δ agonist, KD-3010, or with the well-validated PPAR δ agonist GW501516. KD-3010, but not GW501516, shows hepatoprotective and antifibrotic effects in liver fibrosis induced by carbon tetrachloride (CCl ₄) or bile duct ligation (BDL).

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.491 mL	7.455 mL	14.909 mL
5 mM	0.298 mL	1.491 mL	2.982 mL
10 mM	0.149 mL	0.745 mL	1.491 mL
50 mM	0.03 mL	0.149 mL	0.298 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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:36 Washington Street,Wellesley Hills,MA 02481