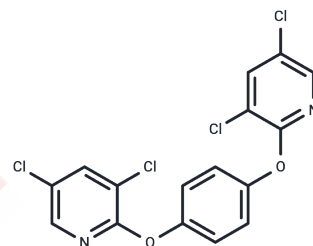


TCPOBOP

Chemical Properties

CAS No. : 76150-91-9
 Formula: C₁₆H₈Cl₄N₂O₂
 Molecular Weight: 402.06
 Storage: 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	TCPOBOP, a constitutive androstane receptor agonist, induces robust hepatocyte proliferation and hepatomegaly while decreasing Fas-induced murine liver injury by altering Bcl-2 proteins.
Targets(IC50)	Bcl-2 Family
In vivo	TCPOBOP (p.o.; 3 mg/kg; 1-5 days) obviously enhances Liver weight to body weight in LW/BW ratio at 48 hours [1].

Solubility Information

Solubility	DMSO: 4.17 mg/mL (10.37 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (4.97 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4872 mL	12.436 mL	24.8719 mL
5 mM	0.4974 mL	2.4872 mL	4.9744 mL
10 mM	0.2487 mL	1.2436 mL	2.4872 mL
50 mM	0.0497 mL	0.2487 mL	0.4974 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

Bhushan B, et al. TCPOBOP-Induced Hepatomegaly and Hepatocyte Proliferation are Attenuated by Combined Disruption of MET and EGFR Signaling. *Hepatology*. 2019 Apr;69(4):1702-1718.

Baskin-Bey ES, et al. Constitutive androstane receptor (CAR) ligand, TCPOBOP, attenuates Fas-induced murine liver injury by altering Bcl-2 proteins. *Hepatology*. 2006 Jul;44(1):252-62.

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