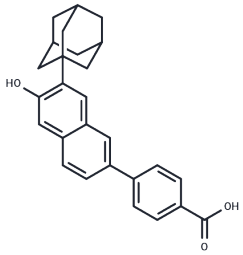
Data Sheet (Cat.No.T21686)

TargetMol

CD 1530

Chemical Properties



CAS No. :	107430-66-0
Formula:	C27H26O3
Molecular Weight:	398.49
Storage:	Store at low temperature,Keep away from direct sunlight 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	CD 1530 is a selective and potent RARγ agonist (Kd:150 nM) with potential anticancer activity, shows insecticidal activity against Cryptobacterium hidradii nematodes, and can be used to study oral carcinogenesis.
Targets(IC50)	MMP,Retinoid Receptor,Antibacterial,ROS,TGF-beta/Smad,Wnt/beta-catenin

Solubility Information

Solubility	DMSO: 80 mg/mL (200.76 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (8.28 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5095 mL	12.5474 mL	25.0947 mL
5 mM	0.5019 mL	2.5095 mL	5.0189 mL
10 mM	0.2509 mL	1.2547 mL	2.5095 mL
50 mM	0.0502 mL	0.2509 mL	0.5019 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

Tang XH, et al. Combination of bexarotene and the retinoid CD1530 reduces murine oral-cavity carcinogenesis induced by the carcinogen 4-nitroquinoline 1-oxide. Proc Natl Acad Sci U S A. 2014 Jun 17;111(24):8907-12.
Bernard BA, et al. Identification of synthetic retinoids with selectivity for human nuclear retinoic acid receptor gamma. Biochem Biophys Res Commun. 1992 Jul 31;186(2):977-83.