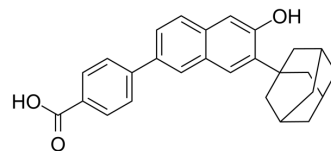


CD1530

Cat. No.:	HY-108527		
CAS No.:	107430-66-0		
Molecular Formula:	C ₂₇ H ₂₆ O ₃		
Molecular Weight:	398.49		
Target:	RAR/RXR		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (250.95 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

CD1530 is a selective RAR γ agonist with an K_d of 150 nM^[1]. CD1530 has been used in combination with bexarotene to inhibit oral carcinogenesis induced by the carcinogen 4-nitroquinoline 1-oxide in a mouse model of human oral-cavity and esophageal squamous-cell carcinoma^[2].

REFERENCES

[1]. 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.

[2]. 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.

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

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