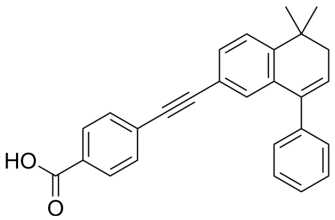
AGN 192870

Cat. No.:	HY-105689
CAS No.:	166977-57-7
Molecular Formula:	$C_{27}H_{22}O_2$
Molecular Weight:	378.46
Target:	RAR/RXR
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor
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 : 6.25 mg/mL (16.51 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.6423 mL	13.2114 mL	26.4229 mL
	5 mM	0.5285 mL	2.6423 mL	5.2846 mL
	10 mM	0.2642 mL	1.3211 mL	2.6423 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 1 mg/mL (2.64 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

AGN 192870 is a RAR neutral antagonist with K_ds of 147, 33, and 42 nM for RARα, RARβ, and RARγ, respectively. AGN 192870 shows IC_{50}s of 87 and 32 nM for RARαand RARγ, respectively. AGN 192870 shows RARβ partial agonism[1]. AGN 192870 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.

REFERENCES

[1]. Klein ES, et al. Identification and functional separation of retinoic acid receptor neutral antagonists and inverse agonists. J Biol Chem. 1996;271(37):22692-22696.

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

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