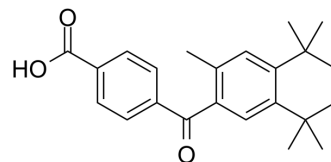


LG-100064

Cat. No.:	HY-104070		
CAS No.:	153559-46-7		
Molecular Formula:	C ₂₃ H ₂₆ O ₃		
Molecular Weight:	350.45		
Target:	RAR/RXR; Autophagy		
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor; Autophagy		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (142.67 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.8535 mL	14.2674 mL	28.5347 mL
	5 mM	0.5707 mL	2.8535 mL	5.7069 mL
	10 mM	0.2853 mL	1.4267 mL	2.8535 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.13 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	LG-100064 is a retinoid-X-receptor (RXR) agonist, with EC ₅₀ s of 330 nM, 200 nM, and 260 nM for RXRα, RXRβ and RXRγ; LG-100064 can be used in the research of cancer.
IC₅₀ & Target	EC ₅₀ : 330 nM (RXRα), 200 nM (RXRβ), 260 nM (RXRγ) ^[1]
In Vitro	LG-100064 (3-Methyl-TTNCB) is a retinoid-X-receptor (RXR) agonist, with EC ₅₀ s of 330 nM, 200 nM, and 260 nM for RXRα, RXRβ and RXRγ. LG-100064 shows no effect on RARα/β/γ (EC ₅₀ , >10000 nM) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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