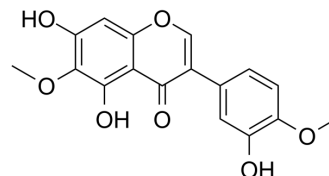


Iristectorigenin B

Cat. No.:	HY-N2509
CAS No.:	86849-77-6
Molecular Formula:	C ₁₇ H ₁₄ O ₇
Molecular Weight:	330.29
Target:	LXR
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (378.46 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.0276 mL	15.1382 mL	30.2764 mL
				5 mM	0.6055 mL	3.0276 mL	6.0553 mL
				10 mM	0.3028 mL	1.5138 mL	3.0276 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: ≥ 2.08 mg/mL (6.30 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (6.30 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (6.30 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Iristectorigenin B (Iristectrigenin B) is a liver X receptor (LXR) modulator. Iristectrigenin B stimulates the transcriptional activity of both LXR-α and LXR-β ^[1] .
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REFERENCES

[1]. Hee-jin Jun, et al. Iristectorigenin B isolated from *Belamcanda chinensis* is a liver X receptor modulator that increases ABCA1 and ABCG1 expression in macrophage RAW 264.7 cells. *Biotechnol Lett.* 2012 Dec;34(12):2213-21.

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

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