## 7ß,27-Dihydroxycholesterol

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Cat. No.:	HY-138115			
CAS No.:	240129-43-5			
Molecular Formula:	C <sub>27</sub> H <sub>46</sub> O <sub>3</sub>			
Molecular Weight:	418.65			
Target:	ROR			
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor			
Storage:	Powder	-20°C	3 years	
	In solvent	-80°C	6 months	
		-20°C	1 month	



	120 MM (KI)
In Vitro	7β,27-Dihydroxycholesterol (0.3 μM or 6 μM; 2 h) induces IL-17 production in human and mouse Th17 cells, respectively, in vitro <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	7ß,27-Dihydroxycholesterol (60 mg/kg; s.c.; twice daily for 3 d) induces IL-17 production in mice in vivo <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

Description

IC<sub>50</sub> & Target

[1]. Soroosh P, et al. Oxysterols are agonist ligands of RORyt and drive Th17 cell differentiation. Proc Natl Acad Sci U S A. 2014 Aug 19;111(33):12163-8.

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

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Product Data Sheet