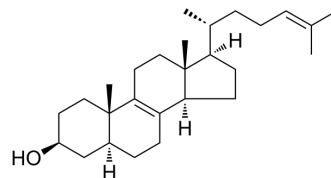


Zymosterol

Cat. No.:	HY-114297
CAS No.:	128-33-6
Molecular Formula:	C ₂₇ H ₄₄ O
Molecular Weight:	384.64
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Zymosterol is a Cholesterol (HY-N0322) biosynthesis metabolite. Zymosterol, a precursor of Cholesterol, is found mostly in the plasma membrane. Zymosterol circulates within the cell ^{[1][2]} .
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	In human fibroblasts, Zymosterol is converted to cholesterol solely in the rough ER ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Jena PK, et al. Dysregulated bile acid receptor-mediated signaling and IL-17A induction are implicated in diet-associated hepatic health and cognitive function. *Biomark Res.* 2020 Nov 6;8(1):59.
- [2]. Lange Y, et al. Movement of zymosterol, a precursor of cholesterol, among three membranes in human fibroblasts. *J Biol Chem.* 1991 Nov 15;266(32):21439-43.

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

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