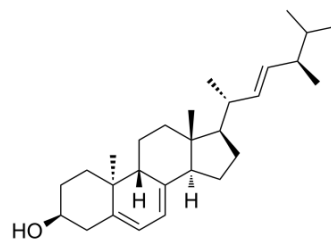


## Lumisterol

Cat. No.:	HY-N0181A
CAS No.:	474-69-1
Molecular Formula:	C <sub>28</sub> H <sub>44</sub> O
Molecular Weight:	396.65
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### BIOLOGICAL ACTIVITY

#### Description

Lumisterol (9 $\beta$ ,10 $\alpha$ -Ergosterol), a steroid compound, is the (9 $\beta$ ,10 $\alpha$ )-stereoisomer of Ergosterol. Lumisterol is a photoprotective agent against UVB-induced DNA damage and anti-proliferative activities<sup>[1]</sup>.

### REFERENCES

[1]. Anyamane Chaiprasongsuk, et al. Protective Effects of Novel Derivatives of Vitamin D 3 and Lumisterol Against UVB-induced Damage in Human Keratinocytes Involve Activation of Nrf2 and p53 Defense Mechanisms. *Redox Biol.* 2019 Jun;24:101206.

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

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