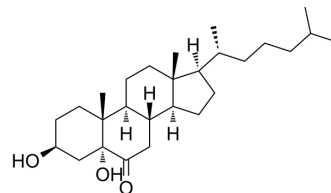


5 α -Hydroxy-6-keto cholesterol

Cat. No.:	HY-123349
CAS No.:	13027-33-3
Molecular Formula:	C ₂₇ H ₄₆ O ₃
Molecular Weight:	418.65
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	5 α -Hydroxy-6-keto cholesterol is major metabolite of β -epoxide (5 α ,6 β -epoxycholesterol) during direct exposure of intact cultured human bronchial epithelial cells (16-HBE) to ozone. 5 α -Hydroxy-6-keto cholesterol inhibits cholesterol synthesis with an IC ₅₀ of 350 nM ^[1] .
In Vitro	5 α -Hydroxy-6-keto cholesterol (0.01, 0.1, 1, 10 μ M) is cytotoxic to cultured 16-HBE cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Melissa K Pulfer, et al. Formation of biologically active oxysterols during ozonolysis of cholesterol present in lung surfactant. J Biol Chem. 2004 Jun 18;279(25):26331-8.

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

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