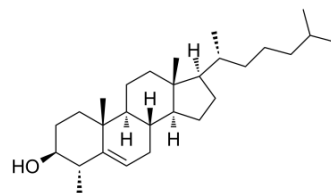


4 α -Methylcholesterol

Cat. No.:	HY-N8531
CAS No.:	15073-00-4
Molecular Formula:	C ₂₈ H ₄₈ O
Molecular Weight:	400.68
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	4 α -Methylcholesterol is a Cholesterol derivative. 4 α -Methylcholesterol can oxidize 3-hydroxy steroid, with the apparent K_m of 12.6 μ M ^{[1][2]} .
In Vitro	4 α -Methylcholesterol oxidizes 3-hydroxy steroid, with the apparent K_m of 12.6 μ M ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Smith AG, et, al. Studies of the substrate specificity of cholesterol oxidase from Nocardia erythropolis in the oxidation of 3-hydroxy steroids. Biochem Soc Trans. 1975;3(5):675-7.

[2]. Kokke WCMC, et, al. Isolation and synthesis of 23-methyl-22-dehydrocholesterol -a marine sterol of biosynthetic significance. Tetrahedron Letters. 1979; 20(18):3601-3604.

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

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