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21 Author

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22 Date of Revision

4 May 2017.

Cholesterol

1 Nonproprietary Names

BP: Cholesterol
JP: Cholesterol
PhEur: Cholesterol
USP–NF: Cholesterol

2 Synonyms

Cholest-5-ene-3β-ol; Cholesterin; cholesterolum; 3β-hydroxy-5-cholestene.

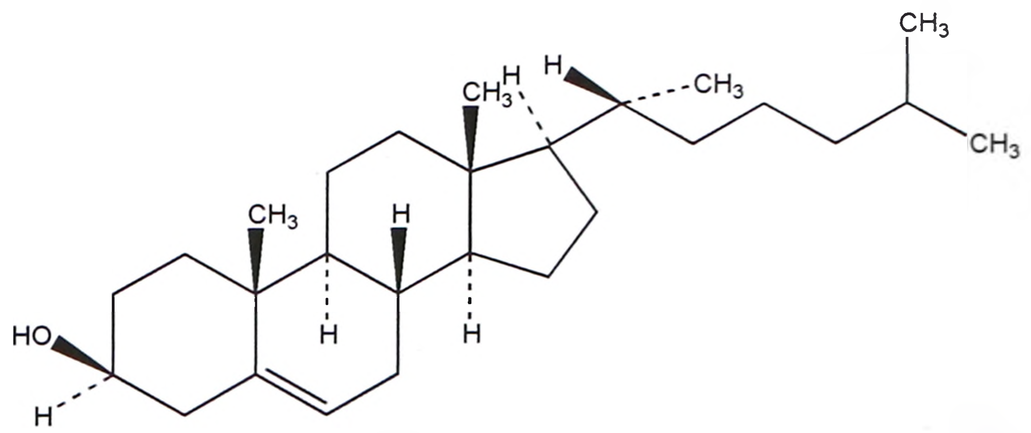
3 Chemical Name and CAS Registry Number

Cholest-5-en-3β-ol [57-88-5]

4 Empirical Formula and Molecular Weight

$C_{27}H_{46}O$ 386.65

5 Structural Formula



6 Functional Category

Emollient; emulsifying agent.

7 Applications in Pharmaceutical Formulation or Technology

Cholesterol is used in cosmetics and topical pharmaceutical formulations at concentrations of 0.3–5.0% w/w as an emulsifying