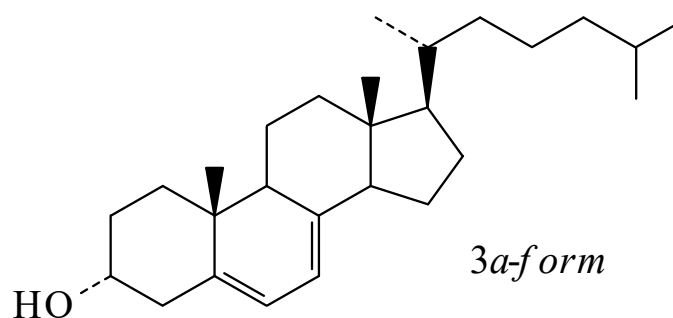




>>Entry Name: Cholesta-5,7-dien-3-ol
ENTRY UNDER REVIEW



Molecular Formula: C₂₇H₄₄O
Molecular Weight: 384.644
Accurate Mass: 384.339215
Percentage Composition: C 84.31%; H 11.53%; O 4.16%

>>Variant: 3 α -form

CAS Registry Number: 57651-84-0
Molecular Formula: C₂₇H₄₄O
Molecular Weight: 384.644
Accurate Mass: 384.339215
Percentage Composition: C 84.31%; H 11.53%; O 4.16%
Physical Description: Needles (MeOH)
Melting Point: Mp 125-126°
Optical Rotation: [α]_D²⁰ -70.5 (CHCl₃)

>>Derivative: Ac

Molecular Formula: C₂₉H₄₆O₂
Molecular Weight: 426.681
Accurate Mass: 426.34978
Percentage Composition: C 81.63%; H 10.87%; O 7.50%
Physical Description: Needles (MeOH)
Melting Point: Mp 114.5°
Optical Rotation: [α]_D²⁰ -35 (CHCl₃)

>>Variant: 3 β -form

Synonym(s): 7-Dehydrocholesterol. Provitamin D₃

CAS Registry Number: 434-16-2

Molecular Formula: C₂₇H₄₄O
Molecular Weight: 384.644
Accurate Mass: 384.339215
Percentage Composition: C 84.31%; H 11.53%; O 4.16%
Biological Source: Occurs in man and higher animals as Vitamin D precursor. Isol. from the horned snail *Buccinum undatum* and pigskin
Use/Importance: Irradiation with uv light prod. previtamin D₃
Physical Description: Plates (MeOH aq./Et₂O).
Melting Point: Mp 150-151° (anhyd.)
Optical Rotation: [α]_D²⁰ -113.6 (CHCl₃)
Other Data: Oxid. in air

Aldrich: 45620-9

Fluka: 30800

Sigma: D4429

>>Derivative: Ac

CAS Registry Number: 1059-86-5
Physical Description: Cryst. (MeOH)
Melting Point: Mp 129-130°
Optical Rotation: [α]_D²⁰ -85.3 (CHCl₃)

Rare Chemicals Library: S37327-3