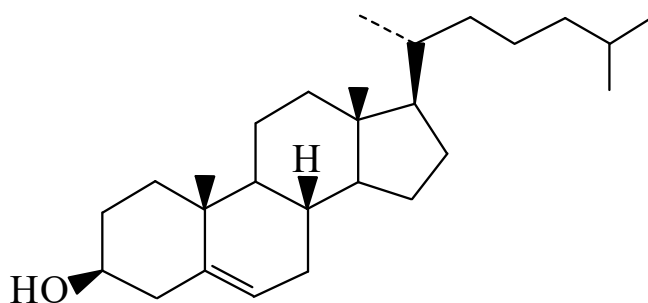




>>Entry Name: Cholest-5-en-3-ol



Related CAS Registry Numbers(s): 1256-86-6 16134-40-0

Molecular Formula: $C_{27}H_{46}O$

Molecular Weight: 386.66

Accurate Mass: 386.354865

Percentage Composition: C 83.87%; H 11.99%; O 4.14%

Aldrich: 36279-4

Fluka: 26740

Sigma: J5264

Supelco: R42-6670

>>Variant: 3α -form

Synonym(s): Epicholesterol

CAS Registry Number: 474-77-1

Molecular Formula: $C_{27}H_{46}O$

Molecular Weight: 386.66

Accurate Mass: 386.354865

Percentage Composition: C 83.87%; H 11.99%; O 4.14%

Physical Description: Cryst. (EtOH) or leaflets (Me₂CO)

Melting Point: Mp 141.5°

Optical Rotation: $[\alpha]_D^{30} -35$ (EtOH)

>>Derivative: Ac

CAS Registry Number: 1059-85-4

Molecular Formula: $C_{29}H_{48}O_2$

Molecular Weight: 428.697

Accurate Mass: 428.36543

Percentage Composition: C 81.25%; H 11.29%; O 7.46%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 85°

Optical Rotation: $[\alpha]_D -12.8$ (CHCl₃)

>>Derivative: 3-*O*-Sulfate

Synonym(s): Epicholesteryl sulfate

Molecular Formula: $C_{27}H_{46}O_4S$

Molecular Weight: 466.724

Accurate Mass: 466.31168

Percentage Composition: C 69.48%; H 9.93%; O 13.71%; S 6.87%

Melting Point: Mp 163-164° (as pyridine salt)

>>Variant: 3β -form

Synonym(s): Cholesterol, BAN, USAN. Cholesterin. NSC 8798

CAS Registry Number: 57-88-5

Molecular Formula: $C_{27}H_{46}O$

Molecular Weight: 386.66

Accurate Mass: 386.354865

Percentage Composition: C 83.87%; H 11.99%; O 4.14%

Biological Source: Characteristic sterol of higher animals. Constit., either free or as esters, of fish liver oils, egg yolk, bile, bran, gallstones, etc. Constit. of scent material of cotton-top tamarin monkey (*Saguinus oedipus*)