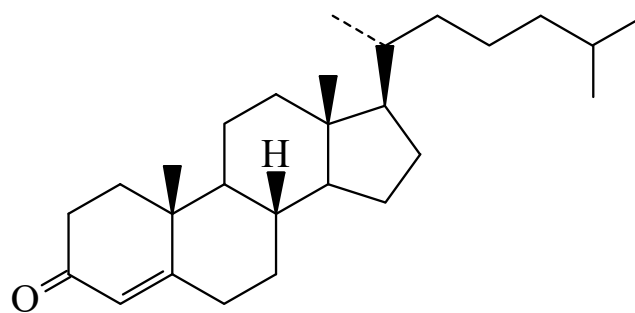




>>Entry Name: Cholest-4-en-3-one, 9Cl



CAS Registry Number: 601-57-0

Related CAS Registry Numbers(s): 22033-87-0

Molecular Formula: C₂₇H₄₄O

Molecular Weight: 384.644

Accurate Mass: 384.339215

Percentage Composition: C 84.31%; H 11.53%; O 4.16%

Biological Source: Isol. from the sponges *Cinachyra terentina* and *Stelletta clarella*, and from the roots and resin of *Dracaena cinnabari*. Obt. from cholest-5-en-3 β -ol by incubating with *Acetobacter xylinum*, *Azotobacter oxydans*, *Bacterium cyclooxydans* or *Corynebacterium simplex*

Physical Description: Cryst. (Me₂CO/MeOH)

Melting Point: Mp 80-81.5°

Optical Rotation: $[\alpha]_D^{22} +87$ (c, 0.1 in CHCl₃)

Aldrich: 18817-4

Fluka: 26720

Sigma: C0705

>>Derivative: E-2,4-Dinitrophenylhydrazone

CAS Registry Number: 13914-34-6

Physical Description: Cryst. (C₆H₆/MeOH)

Melting Point: Mp 239-240°

>>Derivative: Z-2,4-Dinitrophenylhydrazone

CAS Registry Number: 13914-35-7

Physical Description: Cryst. (C₆H₆/MeOH)

Melting Point: Mp 199-201°

>>Derivative: E-Oxime

CAS Registry Number: 66538-08-7

Molecular Formula: C₂₇H₄₅NO

Molecular Weight: 399.659

Accurate Mass: 399.350114

Percentage Composition: C 81.14%; H 11.35%; N 3.50%; O 4.00%

Melting Point: Mp 65 and 152°° (double Mp)

>>Derivative: Z-Oxime

CAS Registry Number: 66514-00-9

Melting Point: Mp 152-153°

>>Variant: 10 α -form

CAS Registry Number: 23820-66-8

Molecular Formula: C₂₇H₄₄O

Molecular Weight: 384.644

Accurate Mass: 384.339215

Percentage Composition: C 84.31%; H 11.53%; O 4.16%

Physical Description: Oil