



Molecular Formula: C₄₁H₇₂O₂
Molecular Weight: 597.019
Accurate Mass: 596.55323
Percentage Composition: C 82.49%; H 12.16%; O 5.36%
Melting Point: Mp 69-71°
Optical Rotation: [α]_D -25 (CHCl₃)
Rare Chemicals Library: S45534-2
Sigma: C4883

>>**Derivative:** Hexadecanoyl
Synonym(s): Cholesteryl palmitate

CAS Registry Number: 601-34-3

Molecular Formula: C₄₃H₇₆O₂
Molecular Weight: 625.072
Accurate Mass: 624.58453
Percentage Composition: C 82.63%; H 12.25%; O 5.12%
Melting Point: Mp 75-77°
Optical Rotation: [α]_D -25 (CHCl₃)
Aldrich: C7860-7
Fluka: 26910
Sigma: C5947

>>**Derivative:** Octadecanoyl
Synonym(s): Cholesteryl stearate

CAS Registry Number: 35602-69-8
Extra CAS Registry Numbers(s): 1184-05-0

Molecular Formula: C₄₅H₈₀O₂
Molecular Weight: 653.126
Accurate Mass: 652.61583
Percentage Composition: C 82.76%; H 12.35%; O 4.90%
Melting Point: Mp 79-80.5°
Optical Rotation: [α]_D -24.7 (CHCl₃)
Aldrich: C7940-9
Fluka: 26950
Sigma: C2148

>>**Derivative:** 9Z-Octadecenoyl
Synonym(s): Cholesteryl oleate

CAS Registry Number: 303-43-5

Molecular Formula: C₄₅H₇₈O₂
Molecular Weight: 651.11
Accurate Mass: 650.60018
Percentage Composition: C 83.01%; H 12.07%; O 4.91%
Biological Source: Mounting sex pheromone of the American dog or mountain dog tick *Dermacentor variabilis* and the Rocky mountain wood tick *Dermacentor andersoni*
Aldrich: 37293-5
Fluka: 26850
Sigma: C9253

>>**Derivative:** 9Z,12Z-Octadecadienoyl
Synonym(s): Cholesteryl lineoleate

CAS Registry Number: 604-33-1

Molecular Formula: C₄₅H₇₆O₂
Molecular Weight: 649.094
Accurate Mass: 648.58453
Percentage Composition: C 83.27%; H 11.80%; O 4.93%
Melting Point: Mp 39-41°