>>**Derivative:** 9*Z*,12*Z*,15*Z*-Octadecatrienoyl
Synonym(s): Cholesterol linolenate

CAS Registry Number: 2545-22-4
Molecular Formula: $C_{45}H_{74}O_2$
Molecular Weight: 647.078
Accurate Mass: 646.56888
Percentage Composition: C 83.53%; H 11.53%; O 4.95%
Melting Point: Mp 32-33°
Optical Rotation: $[\alpha]_D^{25}$ –24.4

>>**Derivative:** 3-*O*-(5*Z*,8*Z*,11*Z*,14*Z*-Eicosatetraenoyl)
Synonym(s): Cholesteryl arachidonate

CAS Registry Number: 604-34-2
Molecular Formula: $C_{47}H_{76}O_2$
Molecular Weight: 673.116
Accurate Mass: 672.58453
Percentage Composition: C 83.87%; H 11.38%; O 4.75%
Physical Description: Cryst. (Et_2O/EtOH)
Melting Point: Mp 85-85.5°
Optical Rotation: $[\alpha]_D$ –23.2

>>**Derivative:** Tetracosanoyl
Synonym(s): Cholesteryl tetracosanoate

CAS Registry Number: 73024-96-1

Molecular Formula: $C_{51}H_{92}O_2$
Molecular Weight: 737.287
Accurate Mass: 736.70973
Percentage Composition: C 83.08%; H 12.58%; O 4.34%
Biological Source: Isol. from skin surface lipids of *Equus* ssp. and from the sponge *Tedania annhelans*

>>**Derivative:** Hexacosanoyl
Synonym(s): Cholesteryl hexacosanoate

CAS Registry Number: 87080-57-7

Molecular Formula: $C_{53}H_{96}O_2$
Molecular Weight: 765.34
Accurate Mass: 764.74103
Percentage Composition: C 83.18%; H 12.64%; O 4.18%
Biological Source: Isol. from skin surface lipids of *Equus* spp. and from the sponge *Tedania annhelans*

>>**Derivative:** Benzoyl
Synonym(s): Cholesteryl benzoate

CAS Registry Number: 604-32-0
Molecular Formula: $C_{34}H_{50}O_2$
Molecular Weight: 490.768
Accurate Mass: 490.38108
Percentage Composition: C 83.21%; H 10.27%; O 6.52%
Melting Point: Mp 149-151°
Optical Rotation: $[\alpha]_D^{20}$ –15 (c, 2 in $CHCl_3$)
Aldrich: C7580-2
Fluka: 26760
Sigma: C9204