



Molecular Weight: 292.461
Accurate Mass: 292.24023
Percentage Composition: C 78.03%; H 11.03%; O 10.94%
Melting Point: Mp −57°. Mp −52.4 51.8°
Boiling Point: Bp_{0.018} 109°
Aldrich: W34111-8
Fluka: 62210
Sigma: L2626
Supelco: R47-5145

>>Derivative: Et ester

CAS Registry Number: 1191-41-9
Molecular Formula: C₂₀H₃₄O₂
Molecular Weight: 306.487
Accurate Mass: 306.25588
Percentage Composition: C 78.38%; H 11.18%; O 10.44%
Boiling Point: Bp_{2.5} 174°

Aldrich: 26839-9
Fluka: 62180
Sigma: L2501

>>Derivative: Chloride

CAS Registry Number: 59044-29-0
Molecular Formula: C₁₈H₂₉ClO
Molecular Weight: 296.879
Accurate Mass: 296.190692
Percentage Composition: C 72.82%; H 9.85%; Cl 11.94%; O 5.39%
Boiling Point: Bp_{2.5} 170-171°

>>Derivative: 9*R**,10*S**-Epoxide
Synonym(s): 9,10-Epoxy-12,15-octadecadienoic acid

CAS Registry Number: 36747-82-7

Molecular Formula: C₁₈H₃₀O₃
Molecular Weight: 294.433
Accurate Mass: 294.219495
Percentage Composition: C 73.43%; H 10.27%; O 16.30%
Biological Source: Present as a minor component in soybean oil

>>Derivative: 12ξ,13ξ-Epoxide
Synonym(s): 12,13-Epoxy-9,15-octadecadienoic acid

CAS Registry Number: 88159-18-6

Molecular Formula: C₁₈H₃₀O₃
Molecular Weight: 294.433
Accurate Mass: 294.219495
Percentage Composition: C 73.43%; H 10.27%; O 16.30%
Biological Source: Isol. from roots of rice plant Fukuyuki
Use/Importance: Inhibitor of rice blast fungus
Optical Rotation: [α]_D²⁰ −0.23 (c, 1.71 in CHCl₃)

>>Derivative: 15ξ,16ξ-Epoxide
Synonym(s): 15,16-Epoxy-9,12-octadecadienoic acid

Molecular Formula: C₁₈H₃₀O₃
Molecular Weight: 294.433
Accurate Mass: 294.219495
Percentage Composition: C 73.43%; H 10.27%; O 16.30%

Use/Importance: Inhibitor of rice blast fungus
Optical Rotation: [α]_D²⁰ +0.27 (c, 1.5 in CHCl₃)