



>>Entry Name: **9,12,15-Octadecatrienoic acid**, 9CI
ENTRY UNDER REVIEW

CAS Registry Number: 1955-33-5
Related CAS Registry Numbers(s): 7361-80-0
Extra CAS Registry Numbers(s): 25448-03-7
H3CCH2CH=CHCH2CH=CHCH2CH=CH(CH2)7COOH

Molecular Formula: C₁₈H₃₀O₂
Molecular Weight: 278.434
Accurate Mass: 278.22458
Percentage Composition: C 77.65%; H 10.86%; O 11.49%

>>Variant: (*E,E,E*)-form
Synonym(s): **Linolenelaidic acid**. Elaidolinolenic acid

CAS Registry Number: 28290-79-1

Molecular Formula: C₁₈H₃₀O₂
Molecular Weight: 278.434
Accurate Mass: 278.22458
Percentage Composition: C 77.65%; H 10.86%; O 11.49%

Physical Description: Cryst. (C₆H₆)
Melting Point: Mp 29.5-30°
Boiling Point: Bp_{0.8} 179-183°
Refractive Index: n_D²⁷ 1.4655
Sigma: L2406

>>Derivative: Me ester

CAS Registry Number: 14202-25-6
Molecular Formula: C₁₉H₃₂O₂
Molecular Weight: 292.461
Accurate Mass: 292.24023
Percentage Composition: C 78.03%; H 11.03%; O 10.94%
Melting Point: Mp −3.5°
Sigma: L2531

>>Derivative: Et ester

Molecular Formula: C₂₀H₃₄O₂
Molecular Weight: 306.487
Accurate Mass: 306.25588
Percentage Composition: C 78.38%; H 11.18%; O 10.44%
Boiling Point: Bp₂ 140°

>>Variant: (*Z,Z,Z*)-form
Synonym(s): **α-Linolenic acid**

CAS Registry Number: 463-40-1
Extra CAS Registry Numbers(s): 27213-43-0

Molecular Formula: C₁₈H₃₀O₂
Molecular Weight: 278.434
Accurate Mass: 278.22458
Percentage Composition: C 77.65%; H 10.86%; O 11.49%

Melting Point: Mp −11.3°
Boiling Point: Bp_{0.07} 137°. Bp_{0.05} 125°
Solubility: Sol. most org. solvs.; insol. H₂O
Density: d₄²⁰ 0.916
Aldrich: 85601-0
Fluka: 62170
Sigma: L2376

>>Derivative: Me ester