



>>Entry Name: 9,11-Octadecadienoic acid

CAS Registry Number: 1839-11-8
H3C(CH2)5CH=CHCH=CH(CH2)7COOH

Molecular Formula: C₁₈H₃₂O₂
Molecular Weight: 280.45
Accurate Mass: 280.24023
Percentage Composition: C 77.09%; H 11.50%; O 11.41%

>>Variant: (*E,E*)-form
Synonym(s): Mangold's acid

CAS Registry Number: 544-71-8
Molecular Formula: C₁₈H₃₂O₂
Molecular Weight: 280.45
Accurate Mass: 280.24023
Percentage Composition: C 77.09%; H 11.50%; O 11.41%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 54°

>>Derivative: Maleic anhydride adduct

Molecular Formula: C₂₂H₃₄O₅
Molecular Weight: 378.508
Accurate Mass: 378.240625
Percentage Composition: C 69.81%; H 9.05%; O 21.13%
Melting Point: Mp 94.5°

>>Derivative: Amide

Molecular Formula: C₁₈H₃₃NO
Molecular Weight: 279.465
Accurate Mass: 279.256214
Percentage Composition: C 77.36%; H 11.90%; N 5.01%; O 5.73%
Melting Point: Mp 98-99°

>>Variant: (9*Z*,11*E*)-form

CAS Registry Number: 872-23-1
Molecular Formula: C₁₈H₃₂O₂
Molecular Weight: 280.45
Accurate Mass: 280.24023
Percentage Composition: C 77.09%; H 11.50%; O 11.41%
Melting Point: Mp 20°

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

CAS Registry Number: 544-70-7
Molecular Formula: C₁₈H₃₂O₂
Molecular Weight: 280.45
Accurate Mass: 280.24023
Percentage Composition: C 77.09%; H 11.50%; O 11.41%
Melting Point: Mp 42-43.2°

>>Derivative: Me ester

CAS Registry Number: 822-10-6
Molecular Formula: C₁₉H₃₄O₂
Molecular Weight: 294.476
Accurate Mass: 294.25588
Percentage Composition: C 77.50%; H 11.64%; O 10.87%
Melting Point: Mp -8°

References: