



>>Entry Name: 11-Octadecen-9-ynoic acid



Molecular Formula: C₁₈H₃₀O₂

Molecular Weight: 278.434

Accurate Mass: 278.22458

Percentage Composition: C 77.65%; H 10.86%; O 11.49%

>>Variant: (*E*)-form

Synonym(s): Ximenynic acid. Santalbic acid

CAS Registry Number: 557-58-4

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. (Me₂CO or petrol)

Melting Point: Mp 39-40°

Boiling Point: Bp_{0.075} 198°

>>Derivative: Me ester

Boiling Point: Bp_{0.2} 148°

>>Derivative: Et ester

Boiling Point: Bp_{0.2} 168-169°

>>Derivative: Amide

Melting Point: Mp 105-105.5°

>>Derivative: 4-Bromophenacyl ester

Melting Point: Mp 53.8-54.2°

>>Variant: (*Z*)-form

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 25.5-26.5°

References:

Lighthelm, S.P. *et al.*, *J.C.S.*, 1952, 1088

Gunstone, F.D. *et al.*, *J.C.S.*, 1955, 3782

Crombie, L. *et al.*, *J.C.S.*, 1957, 1622; 1958, 4435, (*synth*)

Hopkins, C.Y. *et al.*, *Phytochemistry*, 1969, **8**, 161, (*occur*)

Hopkins, C.Y., *Top. Lipid Chem.*, 1972, **3**, 37, (*rev*)