



>>Entry Name: 12-Tridecenoic acid

$\text{H}_2\text{C}=\text{CH}(\text{CH}_2)_{10}\text{COOH}$

Molecular Formula: $\text{C}_{13}\text{H}_{24}\text{O}_2$

Molecular Weight: 212.331

Accurate Mass: 212.17763

Percentage Composition: C 73.54%; H 11.39%; O 15.07%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 38-39°

Boiling Point: Bp₂₀ 192°. Bp₃ 162°

>>Derivative: Me ester

CAS Registry Number: 29780-00-5

Molecular Formula: $\text{C}_{14}\text{H}_{26}\text{O}_2$

Molecular Weight: 226.358

Accurate Mass: 226.19328

Percentage Composition: C 74.29%; H 11.58%; O 14.14%

Boiling Point: Bp₃ 133°

>>Derivative: Et ester

Molecular Formula: $\text{C}_{15}\text{H}_{28}\text{O}_2$

Molecular Weight: 240.385

Accurate Mass: 240.20893

Percentage Composition: C 74.95%; H 11.74%; O 13.31%

Boiling Point: Bp₈ 150°

References:

Chuit, P. *et al.*, *Helv. Chim. Acta*, 1927, **10**, 118, (*synth*)

Tomecko, C.G. *et al.*, *J.A.C.S.*, 1927, **49**, 522, (*synth*)