



>>Entry Name: 9-Tetradecenoic acid

ENTRY UNDER REVIEW

Extra CAS Registry Numbers(s): 26444-03-1

$\text{H}_3\text{C}(\text{CH}_2)_3\text{CH}=\text{CH}(\text{CH}_2)_7\text{COOH}$

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%

>>Variant: (*E*)-form

CAS Registry Number: 50286-30-1

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%

Physical Description: Cryst. (petrol)

Melting Point: Mp 18-18.5°

Sigma: M5034

>>Derivative: Et ester

CAS Registry Number: 68862-25-9

Molecular Formula: $\text{C}_{16}\text{H}_{30}\text{O}_2$

Molecular Weight: 254.412

Accurate Mass: 254.22458

Percentage Composition: C 75.54%; H 11.89%; O 12.58%

Boiling Point: Bp_{0.4} 112°

>>Variant: (*Z*)-form

Synonym(s): Myristoleic acid

CAS Registry Number: 544-64-9

Extra CAS Registry Numbers(s): 28039-98-7

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%

Melting Point: Mp -4.5°

Boiling Point: Bp_{0.6} 144°. Bp_{0.03} 133°

Aldrich: 28673-7

Sigma: M3400

>>Derivative: Me ester

CAS Registry Number: 56219-06-8

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: Bp₄ 125-130° (lit. gives a pressure range)

Sigma: M3650

>>Derivative: Et ester

CAS Registry Number: 24880-50-0

Molecular Formula: $\text{C}_{16}\text{H}_{30}\text{O}_2$

Molecular Weight: 254.412

Percentage Composition: C 75.54%; H 11.89%; O 12.58%

Sigma: M7505