



>>Entry Name: 15-Tetracosenoic acid

ENTRY UNDER REVIEW

Extra CAS Registry Numbers(s): 26444-06-4

$\text{H}_3\text{C}(\text{CH}_2)_7\text{CH}=\text{CH}(\text{CH}_2)_{13}\text{COOH}$

Molecular Formula: $\text{C}_{24}\text{H}_{46}\text{O}_2$

Molecular Weight: 366.626

Accurate Mass: 366.34978

Percentage Composition: C 78.63%; H 12.65%; O 8.73%

>>Variant: (*E*)-form

CAS Registry Number: 14490-79-0

Molecular Formula: $\text{C}_{24}\text{H}_{46}\text{O}_2$

Molecular Weight: 366.626

Accurate Mass: 366.34978

Percentage Composition: C 78.63%; H 12.65%; O 8.73%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 66-67° (61°)

>>Derivative: Me ester

Molecular Formula: $\text{C}_{25}\text{H}_{48}\text{O}_2$

Molecular Weight: 380.653

Accurate Mass: 380.36543

Percentage Composition: C 78.88%; H 12.71%; O 8.41%

Physical Description: Cryst. (Me_2CO)

Melting Point: Mp 36.5-37.5°

Boiling Point: Bp_{0.00001} 180-190°

>>Derivative: Amide

Molecular Formula: $\text{C}_{24}\text{H}_{47}\text{NO}$

Molecular Weight: 365.641

Accurate Mass: 365.365764

Percentage Composition: C 78.84%; H 12.96%; N 3.83%; O 4.38%

Melting Point: Mp 97-98°

>>Variant: (*Z*)-form

Synonym(s): Nervonic acid. Selacholeic acid

CAS Registry Number: 506-37-6

Extra CAS Registry Numbers(s): 31152-46-2

Molecular Formula: $\text{C}_{24}\text{H}_{46}\text{O}_2$

Molecular Weight: 366.626

Accurate Mass: 366.34978

Percentage Composition: C 78.63%; H 12.65%; O 8.73%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 40.5-41°. Mp 44-45°

Aldrich: 28682-6

Sigma: N2376

>>Derivative: Me ester

CAS Registry Number: 2733-88-2

Molecular Formula: $\text{C}_{23}\text{H}_{48}\text{O}_2$

Molecular Weight: 356.631

Accurate Mass: 356.36543

Percentage Composition: C 77.46%; H 13.57%; O 8.97%

Melting Point: Mp 14-15°

Boiling Point: Bp_{0.02} 165° approx.

Sigma: N2501