



>>Entry Name: Hexacosanoic acid, 9CI

Synonym(s): Cerinic acid. Cerotic acid. Ceric acid. Ceratinic acid. EB 82B

CAS Registry Number: 506-46-7

$\text{H}_3\text{C}(\text{CH}_2)_{24}\text{COOH}$

Molecular Formula:  $\text{C}_{26}\text{H}_{52}\text{O}_2$

Molecular Weight: 396.696

Accurate Mass: 396.39673

Percentage Composition: C 78.72%; H 13.21%; O 8.07%

Biological Source: Constit. of various oils, waxes and bacterial lipids

Melting Point: Mp 88-89°

Aldrich: 28428-9

Fluka: 52200

Sigma: H0388

>>Derivative: Me ester

CAS Registry Number: 5802-82-4

Molecular Formula:  $\text{C}_{27}\text{H}_{54}\text{O}_2$

Molecular Weight: 410.722

Accurate Mass: 410.41238

Percentage Composition: C 78.96%; H 13.25%; O 7.79%

Melting Point: Mp 63-68°

Boiling Point: Bp<sub>15</sub> 286°. Bp<sub>3,5</sub> 248°

Fluka: 52205

Sigma: H6389

>>Derivative: Et ester

CAS Registry Number: 29030-81-7

Molecular Formula:  $\text{C}_{28}\text{H}_{56}\text{O}_2$

Molecular Weight: 424.749

Accurate Mass: 424.42803

Percentage Composition: C 79.18%; H 13.29%; O 7.53%

Melting Point: Mp 59.5-59.8°

>>Derivative: Nonyl ester

Synonym(s): Nonyl hexacosanoate

Molecular Formula:  $\text{C}_{35}\text{H}_{70}\text{O}_2$

Molecular Weight: 522.937

Accurate Mass: 522.53758

Percentage Composition: C 80.39%; H 13.49%; O 6.12%

Biological Source: Constit. of *Artabotrys odoratissimus*

Physical Description: Cryst. ( $\text{C}_6\text{H}_6$ )

Melting Point: Mp 83°

>>Derivative: Amide

CAS Registry Number: 22715-86-2

Molecular Formula:  $\text{C}_{26}\text{H}_{53}\text{NO}$

Molecular Weight: 395.711

Accurate Mass: 395.412714

Percentage Composition: C 78.92%; H 13.50%; N 3.54%; O 4.04%

Melting Point: Mp 105-107°