



>>Entry Name: Triacontanoic acid, 9CI, 8CI

Synonym(s): Melissic acid‡

CAS Registry Number: 506-50-3

$\text{H}_3\text{C}(\text{CH}_2)_{28}\text{COOH}$

Molecular Formula: $\text{C}_{30}\text{H}_{60}\text{O}_2$

Molecular Weight: 452.803

Accurate Mass: 452.45933

Percentage Composition: C 79.58%; H 13.36%; O 7.07%

Biological Source: Found in some plant waxes, eg. cotton, carnauba, various leaf waxes. Main constit. of acid fraction of *Vitex divaricata* wood

Physical Description: Cryst. ($\text{C}_6\text{H}_6/\text{Me}_2\text{CO}$)

Melting Point: Mp 93.5-94°

Aldrich: 13480-5

Fluka: 63640

Sigma: T3527

>>Derivative: Me ester

CAS Registry Number: 629-83-4

Molecular Formula: $\text{C}_{31}\text{H}_{62}\text{O}_2$

Molecular Weight: 466.83

Accurate Mass: 466.47498

Percentage Composition: C 79.76%; H 13.39%; O 6.85%

Physical Description: Cryst. (petrol)

Melting Point: Mp 71.5°

Fluka: 63642

Sigma: T1902

>>Derivative: Et ester

CAS Registry Number: 7505-12-6

Molecular Formula: $\text{C}_{32}\text{H}_{64}\text{O}_2$

Molecular Weight: 480.856

Accurate Mass: 480.49063

Percentage Composition: C 79.93%; H 13.41%; O 6.65%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 70.5°

Aldrich: 25751-6

Sigma: T4519

>>Derivative: Pentyl ester

CAS Registry Number: 116044-06-5

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 the leaves of *Ilex aquifolium*

>>Derivative: Hexyl ester

CAS Registry Number: 108706-11-2

Molecular Formula: $\text{C}_{36}\text{H}_{72}\text{O}_2$

Molecular Weight: 536.964

Accurate Mass: 536.55323

Percentage Composition: C 80.53%; H 13.51%; O 5.96%

Biological Source: Constit. of the waxes of *Abies* sp., *Ilex* sp. and *Picea* sp.