



>>Entry Name: 1-Triacontanol, 9CI, 8CI

Synonym(s): Melissyl alcohol. Myricyl alcohol. Prosopol

CAS Registry Number: 593-50-0

Extra CAS Registry Numbers(s): 28351-05-5

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

Molecular Formula: $\text{C}_{30}\text{H}_{62}\text{O}$

Molecular Weight: 438.819

Accurate Mass: 438.480065

Percentage Composition: C 82.11%; H 14.24%; O 3.65%

distinguished in 1963 the name myricyl alcohol is used for 1-triacontanol

Biological Source: Constit. of many plant waxes

Use/Importance: Plant growth stimulant

Physical Description: Cryst. (C_6H_6 or hexane)

Melting Point: Mp 86.5°

Aldrich: 23780-9

Fluka: 90275

Sigma: T6262

>>Derivative: Ac

CAS Registry Number: 41755-58-2

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. (petrol)

Melting Point: Mp 69°

Sigma: T5399

>>Derivative: Tetracosanoyl

Synonym(s): Triacontyl tetracosanoate

CAS Registry Number: 36283-90-6

Molecular Formula: $\text{C}_{54}\text{H}_{108}\text{O}_2$

Molecular Weight: 789.446

Accurate Mass: 788.83493

Percentage Composition: C 82.16%; H 13.79%; O 4.05%

Biological Source: Constit. of *Cassia fistula* and *Mucuna aterrima* (Leguminosae)

Physical Description: Amorph. powder

Melting Point: Mp 71-74°

>>Derivative: Hexacosanoyl

Synonym(s): Triacontyl hexacosanoate. **Marsilin**

CAS Registry Number: 14206-01-0

Molecular Formula: $\text{C}_{56}\text{H}_{112}\text{O}_2$

Molecular Weight: 797.342

Accurate Mass: 796.70973

Percentage Composition: C 84.36%; H 11.63%; O 4.01%

Biological Source: Constit. of *Marsilea* spp. and *Pteris longifolia*

Use/Importance: Exhibits sedative and anticonvulsant props.

References: