



>>Entry Name: 1-Tetradecanol, 9Cl, 8Cl

ENTRY UNDER REVIEW

Synonym(s): Tetradecyl alcohol. Myristyl alcohol. 1-Hydroxytetradecane

CAS Registry Number: 112-72-1

Related CAS Registry Numbers(s): 1191-50-0

$\text{H}_3\text{C}(\text{CH}_2)_{12}\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_{14}\text{H}_{30}\text{O}$

Molecular Weight: 214.39

Accurate Mass: 214.229665

Percentage Composition: C 78.43%; H 14.10%; O 7.46%

Biological Source: Constit. of natural waxes

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 39-39.5°

Boiling Point: Bp₂₀ 170-173°. Bp₁₀ 160°

Hazard & Toxicity: Skin irritant

Aldrich: 18538-8

Fluka: 87160

Sigma: M3628

>>Derivative: Hydrogen sulfate

CAS Registry Number: 1191-50-0

Molecular Formula: $\text{C}_{14}\text{H}_{30}\text{O}_4\text{S}$

Molecular Weight: 294.455

Accurate Mass: 294.18648

Percentage Composition: C 57.11%; H 10.27%; O 21.73%; S 10.89%

Use/Importance: Anionic surfactant, as Na salt

Physical Description: Cryst. (EtOH or H₂O)

>>Derivative: Formyl

CAS Registry Number: 5451-63-8

Molecular Formula: $\text{C}_{15}\text{H}_{30}\text{O}_2$

Molecular Weight: 242.401

Accurate Mass: 242.22458

Percentage Composition: C 74.33%; H 12.47%; O 13.20%

Boiling Point: Bp₁₇ 166°

>>Derivative: Ac

CAS Registry Number: 638-59-5

Molecular Formula: $\text{C}_{16}\text{H}_{32}\text{O}_2$

Molecular Weight: 256.428

Accurate Mass: 256.24023

Percentage Composition: C 74.94%; H 12.58%; O 12.48%

Biological Source: Sex pheromone of European corn borer *Ostrinia nubilalis* and numerous other lepidoptera

Melting Point: Mp 14°

Sigma: M7380

>>Derivative: Hexadecanoyl

Synonym(s): Tetradecyl palmitate. Myristyl palmitate

CAS Registry Number: 4536-26-9

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: Constit. of *Argyrea speciosa* and *Phytolacca acinosa*

Physical Description: Cryst. (CHCl₃/MeOH)

Melting Point: Mp 76° (48°)