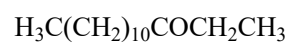




>>Entry Name: 3-Tetradecanone

CAS Registry Number: 629-23-2



Molecular Formula: $\text{C}_{14}\text{H}_{28}\text{O}$

Molecular Weight: 212.375

Accurate Mass: 212.214015

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

Biological Source: Isol. from *Schedorhinotermes* spp.

Physical Description: Cryst. (MeOH)

Melting Point: Mp 34°

Boiling Point: Bp₁₆ 152°. Bp₁₀ 148°

Rare Chemicals Library: S54398-5

>>Derivative: Oxime

Molecular Formula: $\text{C}_{14}\text{H}_{29}\text{NO}$

Molecular Weight: 227.389

Accurate Mass: 227.224914

Percentage Composition: C 73.95%; H 12.85%; N 6.16%; O 7.04%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 40°

>>Derivative: Semicarbazone

Melting Point: Mp 89°

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 45-47°

References:

Bertsch, H. *et al.*, *Fette, Seifen, Anstrichm.*, 1962, **64**, 881, (*synth*)

Allen, J.E. *et al.*, *Lipids*, 1971, **16**, 448, (*synth*)

Prestwich, G.D. *et al.*, *Tet. Lett.*, 1975, 4701, (*isol*)

Katritzky, A.R. *et al.*, *J.O.C.*, 1996, **61**, 7551-7557, (*synth*, *pmr*, *cmr*)