



>>Entry Name: 1-Phenyl-1-tetradecanone, 9CI

Synonym(s): 1-Benzoyltridecane. Myristophenone, 8CI. Tetradecanophenone

CAS Registry Number: 4497-05-6

$\text{PhCO}(\text{CH}_2)_{12}\text{CH}_3$

Molecular Formula: $\text{C}_{20}\text{H}_{32}\text{O}$

Molecular Weight: 288.472

Accurate Mass: 288.245315

Percentage Composition: C 83.27%; H 11.18%; O 5.55%

Physical Description: Cryst.

Melting Point: Mp 54-56°

Boiling Point: Bp₁₂ 212°

Aldrich: 29861-1

>>Derivative: Oxime

CAS Registry Number: 2301-18-0

Molecular Formula: $\text{C}_{20}\text{H}_{33}\text{NO}$

Molecular Weight: 303.487

Accurate Mass: 303.256214

Percentage Composition: C 79.15%; H 10.96%; N 4.62%; O 5.27%

Melting Point: Mp 69.5-70°

References:

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1231B

Gilman, H. *et al.*, *J.O.C.*, 1943, **8**, 126, (*synth*)

Whitmore, F.C. *et al.*, *J.A.C.S.*, 1947, **69**, 235, (*synth*)