



>>Entry Name: **2',5'-Dichloroacetophenone**

Synonym(s): 1-(2,5-Dichlorophenyl)ethanone, 9Cl

CAS Registry Number: 2476-37-1

Molecular Formula: C₈H₆Cl₂O

Molecular Weight: 189.04

Accurate Mass: 187.979569

Percentage Composition: C 50.83%; H 3.20%; Cl 37.51%; O 8.46%

Physical Description: Liq. or cryst.

Melting Point: Mp 14°

Boiling Point: Bp 251°. Bp₃ 102-104°

Density: d₄¹⁷ 1.352

Aldrich: 18319-9

>>Derivative: Oxime

CAS Registry Number: 71516-69-3

Molecular Formula: C₈H₇Cl₂NO

Molecular Weight: 204.055

Accurate Mass: 202.990468

Percentage Composition: C 47.09%; H 3.46%; Cl 34.75%; N 6.86%; O 7.84%

Physical Description: Needles

Melting Point: Mp 127°. Mp 130°

>>Derivative: Semicarbazone

Physical Description: Needles (EtOH)

Melting Point: Mp 202-203°

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **2**, 839A, (*nmr*)

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Kshatriya, K.C. *et al.*, *J. Indian Chem. Soc.*, 1947, **24**, 373

Lutz, R.E. *et al.*, *J.O.C.*, 1947, **12**, 680

Rajsner, M. *et al.*, *Coll. Czech. Chem. Comm.*, 1978, **43**, 1276