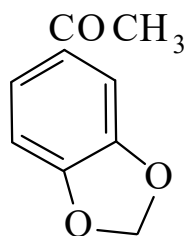




>>Entry Name: 3',4'-Methylenedioxyacetophenone, 8Cl

Synonym(s): 1-(1,3-Benzodioxol-5-yl)ethanone, 9Cl. 4-Acetyl-1,2-methylenedioxybenzene. Acetopiperone. Moskachan A. Paracumarhydrin



CAS Registry Number: 3162-29-6

Molecular Formula: C₉H₈O₃

Molecular Weight: 164.16

Accurate Mass: 164.047345

Percentage Composition: C 65.85%; H 4.91%; O 29.24%

Biological Source: Constit. of *Ruta angustifolia*

Melting Point: Mp 88°

Boiling Point: Bp_{0.2} 130-140°

Aldrich: 27480-1

Rare Chemicals Library: S29312-1

>>Derivative: Oxime

CAS Registry Number: 62681-68-9

Molecular Formula: C₉H₉NO₃

Molecular Weight: 179.175

Accurate Mass: 179.058244

Percentage Composition: C 60.33%; H 5.06%; N 7.82%; O 26.79%

Physical Description: Needles (H₂O)

Melting Point: Mp 156-157°

>>Derivative: Phenylhydrazone

Melting Point: Mp 114°

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 255-257°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 849A, (*nmr*)

Shriner, R.L. *et al.*, *J.A.C.S.*, 1929, **51**, 1267, (*synth*)

Byrne, M. *et al.*, *Spectrochim. Acta A*, 1969, **25**, 313, (*synth, uv*)

Plater, N. *et al.*, *Bull. Soc. Chim. Fr.*, 1975, 227, (*pmr*)

Julia, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1975, 751, (*synth*)

Borges del Castillo, J. *et al.*, *Phytochemistry*, 1986, **29**, 2209, (*isol*)