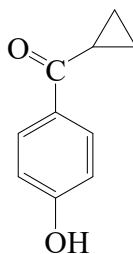




>>Entry Name: Cyclopropyl(4-hydroxyphenyl)methanone, 9CI

Synonym(s): Cyclopropyl (4-hydroxyphenyl) ketone. (*p*-Hydroxybenzoyl)cyclopropane



CAS Registry Number: 36116-18-4

Related CAS Registry Numbers(s): 16972-39-7

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Physical Description: Cryst. (CHCl₃/hexane)

Melting Point: Mp 107-109.5° (95-99°)

>>Derivative: Me ether

Synonym(s): Cyclopropyl(4-methoxyphenyl)methanone. Cyclopropyl (4-methoxyphenyl) ketone. (*p*-Methoxybenzoyl)cyclopropane

CAS Registry Number: 7152-03-6

Molecular Formula: C₁₁H₁₂O₂

Molecular Weight: 176.215

Accurate Mass: 176.08373

Percentage Composition: C 74.98%; H 6.86%; O 18.16%

Physical Description: Cryst. (pentane)

Melting Point: Mp 38-40°

Boiling Point: Bp_{4,5} 158-160°

Aldrich: C11980-6

>>Derivative: Me ether, semicarbazone

Melting Point: Mp 155°

>>Derivative: Et ether

Molecular Formula: C₁₂H₁₄O₂

Molecular Weight: 190.241

Accurate Mass: 190.09938

Percentage Composition: C 75.76%; H 7.42%; O 16.82%

Physical Description: Cryst. (hexane)

Melting Point: Mp 68-70°

References:

Close, W.J., *J.A.C.S.*, 1957, **79**, 1455-1458, (*Et ether*)

Laüger, P. *et al.*, *Helv. Chim. Acta*, 1959, **42**, 2379-2393, (*Me ether*)

Sarel, S. *et al.*, *Isr. J. Chem.*, 1963, **1**, 451-459, (*Me ether*)

Weitkamp, H. *et al.*, *Tetrahedron*, 1964, **20**, 2125-2135, (*Me ether*, *ir*, *pmr*)

Rastogi, S.N. *et al.*, *J. Med. Chem.*, 1972, **15**, 286-291, (*synth*, *pmr*, *ir*)

Chang, S.-J. *et al.*, *Org. Process Res. Dev.*, 2001, **5**, 141-143, (*synth*, *pmr*)