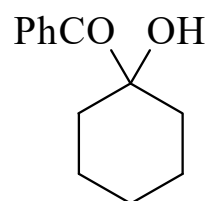




>>Entry Name: 1-Benzoylcyclohexanol

Synonym(s): (1-Hydroxycyclohexyl)phenylmethanone, 9CI



CAS Registry Number: 947-19-3

Molecular Formula: C₁₃H₁₆O₂

Molecular Weight: 204.268

Accurate Mass: 204.11503

Percentage Composition: C 76.44%; H 7.89%; O 15.67%

Use/Importance: Photoinitiator for polymerization reactions

Physical Description: Cryst. (hexane)

Melting Point: Mp 48-49° (44-44.5°)

Boiling Point: Bp₁₅ 175°

Aldrich: 40561-2

Sigma: H5524

References:

Stevens, C.L. *et al.*, *J.A.C.S.*, 1952, **74**, 618, (*synth*)

Hunig, S. *et al.*, *Synthesis*, 1975, 391, (*synth*)

Eur. Pat., 1983, 94 347; *CA*, **100**, 102866n, (*synth*)

Krepiski, L.R. *et al.*, *Tet. Lett.*, 1983, **24**, 4075, (*synth*)

Gaber, D.J., *J. Coat. Technol.*, 1986, **58**, 35, (*use*)

Ohta, S. *et al.*, *Chem. Pharm. Bull.*, 1995, **43**, 1294, (*synth, pmr*)