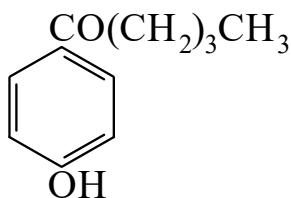




>>Entry Name: 1-(4-Hydroxyphenyl)-1-pentanone, 9CI

ENTRY UNDER REVIEW

Synonym(s): 4'-Hydroxyvalerophenone, 8CI. 1-(*p*-Hydroxybenzoyl)butane



CAS Registry Number: 2589-71-1

Molecular Formula: C₁₁H₁₄O₂

Molecular Weight: 178.23

Accurate Mass: 178.09938

Percentage Composition: C 74.13%; H 7.92%; O 17.95%

Physical Description: Cryst. (C₆H₆/petrol)

Boiling Point: Bp_{0.7} 150-160° (lit. gives a pressure range). Bp₁ 160°. Bp_{0.01} 156-158°

Rare Chemicals Library: S32368-3

>>Derivative: Me ether

Synonym(s): 1-(4-Methoxyphenyl)-1-pentanone

CAS Registry Number: 1671-76-7

Molecular Formula: C₁₂H₁₆O₂

Molecular Weight: 192.257

Accurate Mass: 192.11503

Percentage Composition: C 74.97%; H 8.39%; O 16.64%

Boiling Point: Bp₁₃ 163-167°. Bp₅ 140-145°

Rare Chemicals Library: S36960-8

Other: PB M09900

References:

Coulthard, C.E. *et al.*, *J.C.S.*, 1930, 280, (*synth*)

Close, W.J. *et al.*, *J.A.C.S.*, 1949, **71**, 1265, (*synth*)

Dutton, G.G.S. *et al.*, *Can. J. Chem.*, 1953, **31**, 837, (*synth*)

Dorofeenko, G.N. *et al.*, *Zh. Obshch. Khim.*, 1962, **32**, 3052; *J. Gen. Chem. USSR (Engl. Transl.)*, 1962, **32**, 3002, (*Me ether*)

Sucrow, W. *et al.*, *Chem. Ber.*, 1985, **118**, 3332, (*synth*)