



>>Entry Name: 1,5-Diphenyl-1-pentanone, 9CI

Synonym(s): 1-Benzoyl-4-phenylbutane

CAS Registry Number: 39686-51-6

PhCO(CH₂)₄Ph

Molecular Formula: C₁₇H₁₈O

Molecular Weight: 238.329

Accurate Mass: 238.135765

Percentage Composition: C 85.67%; H 7.61%; O 6.71%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 44.5°

References:

Wagner, P.J. *et al.*, *Can. J. Chem.*, 1995, **73**, 2047-2061, (*synth, ir, uv, pmr, cmr*)