



>>Entry Name: 4,4'-Diacetylbiphenyl

Synonym(s): 1,1'-[1,1'-Biphenyl]-4,4'-diylbisethanone, 9Cl. 4',4'''-Biacetophenone, 8Cl

CAS Registry Number: 787-69-9

Molecular Formula: C₁₆H₁₄O₂

Molecular Weight: 238.285

Accurate Mass: 238.09938

Percentage Composition: C 80.65%; H 5.92%; O 13.43%

Physical Description: Plates (dioxan)

Melting Point: Mp 192-193°

Aldrich: 22525-8

>>Derivative: Dioxime

Molecular Formula: C₁₆H₁₆N₂O₂

Molecular Weight: 268.315

Accurate Mass: 268.121178

Percentage Composition: C 71.62%; H 6.01%; N 10.44%; O 11.93%

Melting Point: Mp 260 dec.°

References:

Sloan, G.J. *et al.*, *J.O.C.*, 1957, **22**, 750, (*synth*)

Baker, W. *et al.*, *J.C.S.*, 1958, 2666, (*uv*)

Kende, A.S. *et al.*, *Tet. Lett.*, 1975, 3375, (*synth*)

Percec, V. *et al.*, *J.O.C.*, 1995, **60**, 176, (*synth, pmr*)