>>**Entry Name: *N*-[(Diphenylphosphinyl)methyl]-*N*-methylaniline**
Synonym(s): *N*-[(Diphenylphosphinyl)methyl]-*N*-methylbenzenamine, 9CI

CAS Registry Number: 76527-75-8
Type of Compound Code(s): AC0310
$Ph_2P(O)CH_2NMePh$

Molecular Formula: $C_{20}H_{20}NOP$
Molecular Weight: 321.358
Accurate Mass: 321.128251
Percentage Composition: C 74.75%; H 6.27%; N 4.36%; O 4.98%; P 9.64%
Use/Importance: Reagent for converting ketones into homologues enamines
Physical Description: Cryst. (EtOAc/hexane)
Melting Point: Mp 118-119°

Aldrich: 36741-9

References:

Broekhof, L.N.J.M. *et al.*, *Tet. Lett.*, 1980, **21**, 2671, *(synth, use)*
Van den Gen, A. *et al.*, *ACS Symp. Ser.*, 1981, **171**, 47, *(rev, use)*
Broekhof, N.L.J.M. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1984, **103**, 312, *(synth, ir, pmr, cmr)*
Zorgdrager, J. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1989, **108**, 441, *(synth, ms, pmr, cmr, ir)*