



>>Entry Name: (Methoxymethyl)diphenylphosphine oxide, 9CI

CAS Registry Number: 4455-77-0

Ph2P(O)CH2OMe

Molecular Formula: $C_{14}H_{15}O_2P$

Molecular Weight: 246.245

Accurate Mass: 246.080967

Percentage Composition: C 68.29%; H 6.14%; O 12.99%; P 12.58%

Use/Importance: Used in prep. of vinyl ethers

Physical Description: Cryst. (cyclohexane or C_6H_6 /petrol)

Melting Point: Mp 116-117°

Boiling Point: Bp_{0.1} 138-139°

Aldrich: 45408-7

Fluka: 43115

References:

Trippett, S., *J.C.S.*, 1961, 2813, (*synth*)

Hansen, K.C. *et al.*, *J.O.C.*, 1967, **32**, 2383, (*synth, pmr*)

Earnshaw, C. *et al.*, *Chem. Comm.*, 1977, 314, (*synth, use*)

McEwen, W.E. *et al.*, *J.A.C.S.*, 1978, **100**, 7304, (*synth, use*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1979, **7**, 229, (*synth, use*)