



>>Entry Name: Diphenyl methylphosphonate

CAS Registry Number: 7526-26-3

Type of Compound Code(s): AC5040

MeP(O)(OPh)₂

Molecular Formula: C₁₃H₁₃O₃P

Molecular Weight: 248.218

Accurate Mass: 248.060232

Percentage Composition: C 62.91%; H 5.28%; O 19.34%; P 12.48%

Physical Description: Solid

Melting Point: Mp 35-36°

Boiling Point: Bp₉ 192-192.5°. Bp_{0.15} 138°

References:

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Berkova, G.A. *et al.*, *Zh. Obshch. Khim.*, 1977, **47**, 1431; *J. Gen. Chem. USSR (Engl. Transl.)*, 1977, **37**, 1315, (*pmr*)

Bel'skii, V.E. *et al.*, *Zh. Obshch. Khim.*, 1981, **51**, 2442; *J. Gen. Chem. USSR (Engl. Transl.)*, 1981, **51**, 2104, (*props*)

Vasu, K. *et al.*, *Agric. Biol. Chem.*, 1983, **47**, 2657, (*synth*)

Fry, S.E. *et al.*, *J.O.C.*, 1984, **49**, 4877, (*synth*)

Templeton, M.K. *et al.*, *J.A.C.S.*, 1985, **107**, 744