



>>Entry Name: Ethyl 2-triphenylphosphoranylidenepranoate, 9CI

Synonym(s): (1-Carbethoxyethylidene)triphenylphosphorane

CAS Registry Number: 5717-37-3

$\text{Ph}_3\text{P}=\text{C}(\text{CH}_3)\text{COOEt}$

Molecular Formula: $\text{C}_{23}\text{H}_{23}\text{O}_2\text{P}$

Molecular Weight: 362.407

Accurate Mass: 362.143567

Percentage Composition: C 76.23%; H 6.40%; O 8.83%; P 8.55%

Use/Importance: Wittig reagent

Physical Description: Needles (EtOAc/petrol)

Melting Point: Mp 156-157°. Mp 165-167°

Aldrich: 37770-8

References:

- Aldrich Library of FT-IR Spectra*, 1st edn., 1985, **2**, 550C, (ir)
Issler, O. *et al.*, *Helv. Chim. Acta*, 1957, **40**, 1242, (synth, uv, use)
Cooks, R.G. *et al.*, *Tetrahedron*, 1968, **24**, 3289, (ms)
Kuchař, M. *et al.*, *Coll. Czech. Chem. Comm.*, 1973, **38**, 447, (synth, pmr, props)
Gray, G.A., *J.A.C.S.*, 1973, **95**, 5092; 7736, (cmr, P-31 nmr)
Lumbroso, H. *et al.*, *Bull. Soc. Chim. Fr.*, 1974, 819, (struct)
Plieninger, H. *et al.*, *Annalen*, 1976, 1475, (synth, use)
Bartlett, P.A. *et al.*, *J.A.C.S.*, 1980, **102**, 337, (use)
Uesato, S. *et al.*, *Chem. Pharm. Bull.*, 1982, **30**, 927, (use)
Abell, A.D., *J.O.C.*, 1989, **54**, 2762, (use)