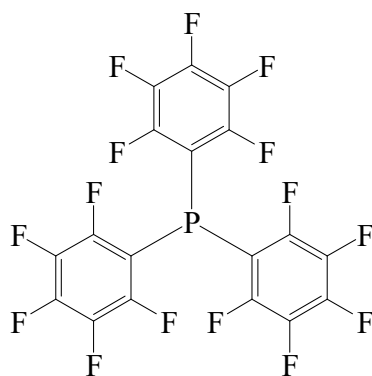




>>Entry Name: Tris(pentafluorophenyl)phosphine, 9Cl, 8Cl



CAS Registry Number: 1259-35-4

Molecular Formula: $C_{18}F_{15}P$

Molecular Weight: 532.148

Accurate Mass: 531.949807

Percentage Composition: C 40.63%; F 53.55%; P 5.82%

Physical Description: Needles

Melting Point: Mp 116-117° (108-110°)

Aldrich: 29057-2

Fluka: 93436

>>Derivative: Oxide

Molecular Formula: $C_{18}F_{15}OP$

Molecular Weight: 548.147

Accurate Mass: 547.944722

Percentage Composition: C 39.44%; F 51.99%; O 2.92%; P 5.65%

Physical Description: Fine needles (petrol)

Melting Point: Mp 169-170°

References:

Wall, L.A. *et al.*, *J.A.C.S.*, 1960, **82**, 4846, (*synth, oxide, uv, ir*)

Kemmitt, R.D.W. *et al.*, *J.C.S.(A)*, 1968, 2149, (*synth, ir*)

Rake, A.T. *et al.*, *J.C.S.(A)*, 1970, 1881, (*ms*)

Frohn, H.J. *et al.*, *J. Fluorine Chem.*, 1986, **34**, 129, (*F-19 nmr, P-31 nmr*)

Karipides, A. *et al.*, *Acta Cryst. C*, 1989, **45**, 1743, (*cryst struct*)