



>>Entry Name: Tribenzyl phosphite, 8Cl

Synonym(s): Tris(phenylmethyl) phosphite, 9Cl

CAS Registry Number: 15205-57-9

$(\text{PhCH}_2\text{O})_3\text{P}$

Molecular Formula: $\text{C}_{21}\text{H}_{21}\text{O}_3\text{P}$

Molecular Weight: 352.369

Accurate Mass: 352.122832

Percentage Composition: C 71.58%; H 6.01%; O 13.62%; P 8.79%

Use/Importance: Ligand for Pd

Physical Description: Needles (petrol)

Melting Point: Mp 52°

Boiling Point: Bp_{0.05} 180-195°. Bp_{0.02} 142-148°

References:

Landauer, S.R. *et al.*, *J.C.S.*, 1953, 2224, (*synth, props*)

Ramirez, F. *et al.*, *J.A.C.S.*, 1968, **90**, 751, (*synth, ir, pmr, P-31 nmr*)

Verstuyft, A.W. *et al.*, *Inorg. Chem.*, 1977, **16**, 2776, (*pmr, P-31 nmr, complexes*)

Campbell, M.M. *et al.*, *Tetrahedron*, 1982, **38**, 2513, (*synth, ir, pmr*)