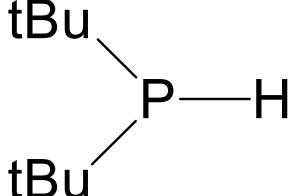


Catalog #	15-1044	Di-t-butylphosphine (50% in Toluene)
		 The chemical structure shows a central phosphorus (P) atom bonded to three groups: two t-butyl (tBu) groups and one hydrogen (H) atom. The t-butyl groups are represented by the letters 'tBu' with lines extending from the P atom to each group. The hydrogen atom is represented by the letter 'H' with a line extending from the P atom to it.

Technical Notes:

1. Bulky phosphine ligand precursor often used to build other catalytic ligands.^{1,2}
2. Ligand used in a catalyst system employing RuCl₃ or RuBr₃ for metathesis of acyclic olefins.³
3. Used as a precursor for a ligand in steroselective synthesis of alkenes.⁴

References:

1. [Journal of Organic Chemistry 2006, 71\(14\), 5117-5125.](#)
2. [Angewandte Chemie, International Edition 2002, 41\(19\), 3668-3671.](#)
3. [Journal of Molecular Catalysis A: Chemical, 1999, 145\(1-2\), 323-327.](#)
4. [J. Am. Chem. Soc. 2016, 138, 8588-8594.](#)