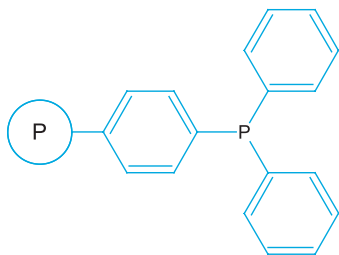


# PL-TPP Resin



## Description

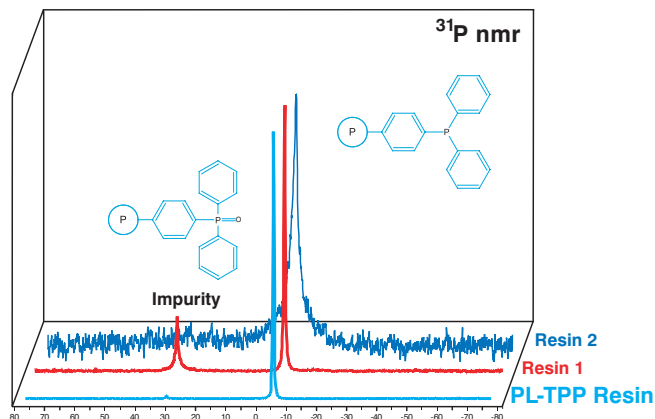
Polymer supported triphenylphosphine

## Synonyms

None

## Applications

PL-TPP Resin is used in a wide range of applications including Wittig chemistry (synthesis of olefins), Mitsunobu chemistry (preparation of aryl ethers), halide exchange reactions and also in supporting various types of metal catalyst. PL-TPP Resin is manufactured by proprietary copolymerization techniques to be essentially free from polymer-bound triphenylphosphine oxide, as shown by  $^{31}\text{P}$  nmr :



## References

- Grubbs, R H & Kroll, L C (1971), J Am Chem Soc, **93**, 3062
- Collman, J P et al (1972), J Am Chem Soc, **94**, 1789
- Relles, H M & Schluenz, R W (1974), J Am Chem Soc, **96**, 6469
- Pittman Jr, C U & Smith, L R (1975), J Am Chem Soc, **97**, 341
- Pittman Jr, C U et al (1975), J Am Chem Soc, **97**, 1742
- Pittman Jr, C U et al (1975), J Am Chem Soc, **97**, 4774
- Hodge, P & Richardson, G (1975), J Chem Soc, Chem Commun, 622
- Regen, S L & Lee, D P (1975), J Org Chem, **40**, 1669
- Pittman Jr, C U et al (1976), J Am Chem Soc, **98**, 5402
- Landi, J J Jr & Brinkman, H R (1992), Synthesis, 1093
- Wells, A (1994), Synth Commun, **24**, 1715
- Hughes, I, 1996, Tetrahedron Lett, **37**, 7595
- Bolli, M H & Ley, S V (1998), J Chem Soc, Perkin Trans 1, 2243
- Stanetty, P & Kremslehner, M (1998), Tetrahedron Lett, **39**, 811
- Tunoori, A R et al (1998), Tetrahedron Lett, **39**, 8751
- López-Cremades, P et al (2000), Synlett, **10**, 1411
- Hemming, K et al (2000), Synlett, **11**, 1565
- Pelletier, J C & Kincaid, S (2000), Tetrahedron Lett, **41**, 797
- Gentles, R G et al (2002), J Comb Chem, **4**, 442

## Products Information

Microporous

**PL-TPP Resin**

1.5mmol/g 150-300 $\mu\text{m}$  (50-100 mesh)