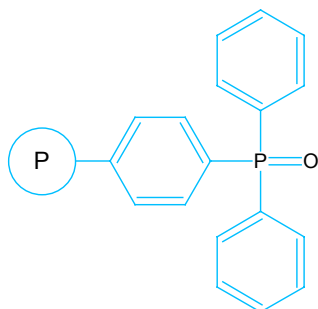


# PL-TPPO Resin



## Description

Polymer supported triphenylphosphine oxide

## Synonyms

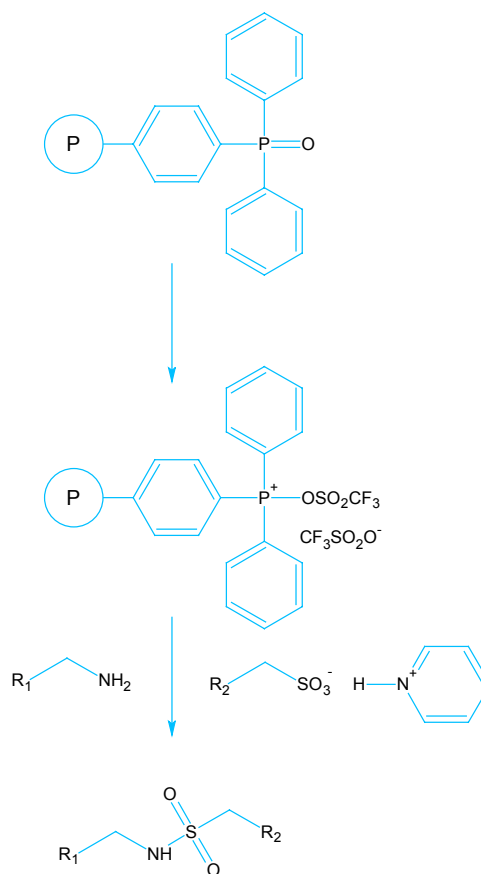
Polystyryl-diphenylphosphine oxide

## Applications

PL-TPPO resin can be easily converted to a polymer supported triphenylphosphine ditriflate species upon treatment with triflic anhydride. This species can then be used as a dehydrating reagent in a variety of organic transformations such as amide and ester bond formation and aza-Mitsunobu chemistry.

Another very powerful application of this polymeric ditriflate species is the ability to synthesize sulfonamide compounds from the direct coupling of sulfonic acids and amines.

PL-TPPO Resin is manufactured from the PL-TPP triphenylphosphine base resin. This is manufactured by proprietary copolymerization techniques, which result in an ultra pure resin free of organic and inorganic impurities and leachables.



## References

Jenkins, I D et al (2004), Tetrahedron Lett, **45**, 2491  
Caddick, S et al (2004), J Am Chem Soc, **126**, 1024

## Ordering Information

Microporous

**PL-TPPO Resin**

1.4mmol/g 150-300µm (50-100 mesh)