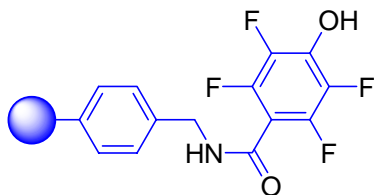


# PL-TFP Resin



## Description

Polymer supported tetrafluorophenol

## Synonyms

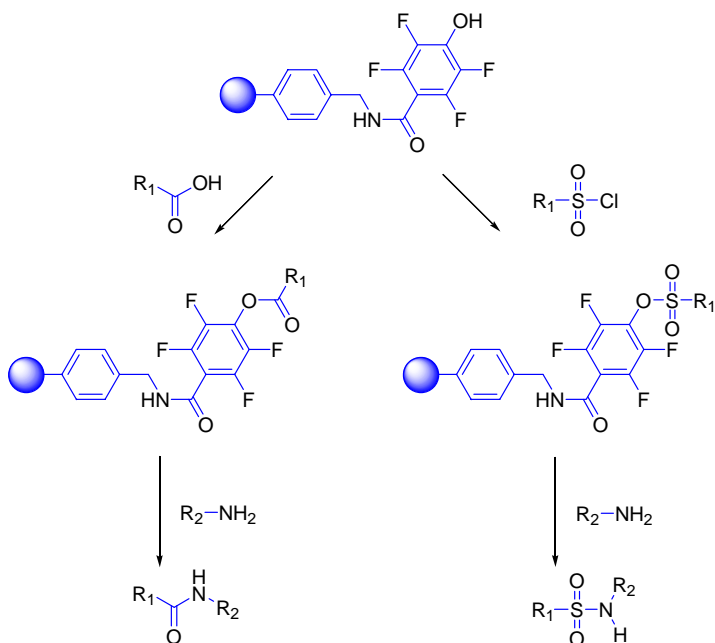
Tetrafluorophenol resin

## Applications

PL-TFP Resin enables the preparation of the solid supported equivalent of Pfp esters.

Pfp esters have long been used in the field of peptide synthesis as a means of providing stable activated carboxylic acid derivatives. PL-TFP Resin can be used in the same way, as a means of preparing activated intermediates, which can be stored if not required for immediate use.

Carboxylic acids may be loaded onto PL-TFP Resin using conventional carbodiimide coupling. Sulfonyl chlorides can be used to provide solid supported sulfonic acid derivatives. Reaction of either species with amines results in the corresponding carboxamide or sulfonamide being generated. Any excess active ester remains bound to the resin.



## References

- Salvino, J M et al (2000), J Comb Chem, **2**, 691  
Gong, Y et al (2000), Bioorg Med Chem Lett, **10**, 1033  
Salvino, J M et al (2003), J Comb Chem, **5**, 260  
Pauls, H W et al (2004), Frontiers in Med Chem – Online, **1**, 129

## Products Information

Microporous

### PL-TFP Resin

1.0mmol/g 75-150µm (100-200 mesh)

1.4mmol/g 150-300µm (50-100 mesh)

Macroporous

### **NEW!** PL-TFP MP-Resin

>1.0mmol/g 150-300µm (50-100 mesh)

PL-TFP Resin is sold under an exclusive license from Aventis.