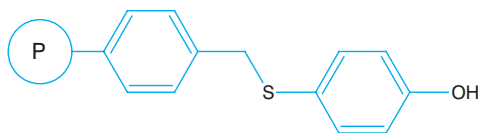


PL-HTP Resin



Description

4-Hydroxythiophenol resin

Synonyms

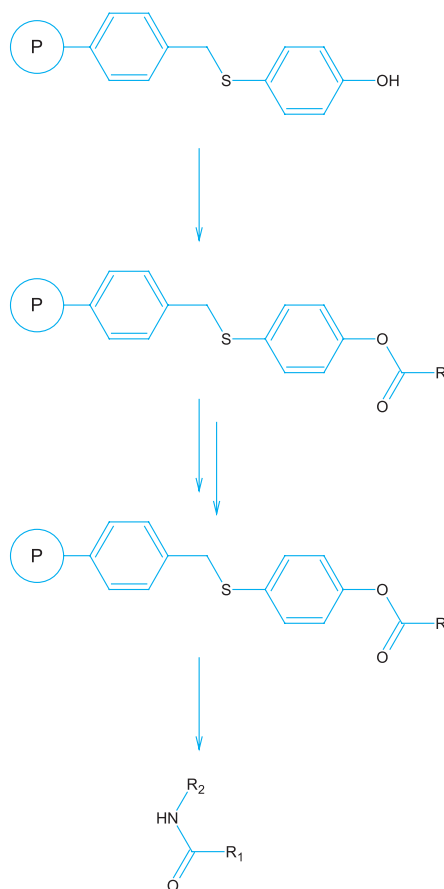
Marshall resin

Applications

PL-HTP Resin is useful for the preparation of carboxamides and lactams. Activated organic acids can be attached to the resin, via carbodiimide coupling for example, and the resultant acid stable ester subsequently cleaved by prolonged treatment with primary or secondary amines, or through intramolecular cyclization.

The ester linkage formation can be monitored by FT-IR, or by quantitative techniques for determining free phenolic hydroxyl groups.

Activation of thiophenoxy resin as a carbamate linker enables the resin-bound derivative to be used in urea synthesis.



References

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- Breitenbucher, J G & Hui, H C (1998), *Tetrahedron Lett*, **39**, 8207
- Boldi, A M et al (2001), *J Comb Chem*, **3**, 367
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Products Information

Microporous

PL-HTP Resin

1.6mmol/g 150-300 μ m (50-100 mesh)

See Also

- Resins For Solid Phase Synthesis: Formyl Functionalized Resins PL-FMP Resin
- Resins For Solid Phase Synthesis: Formyl Functionalized Resins PL-FDMP Resin
- Resins For Solid Phase Synthesis: Formyl Functionalized Resins PL-FMPB Resin
- Resins For Solid Phase Synthesis: Formyl Functionalized Resins PL-ICHO Resin
- Resins For Solution Phase Synthesis: Solid Supported Coupling Agents PL-TFP Resin