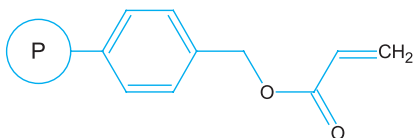


# PL-REM Resin



## Description

Polymer supported acrylate

## Synonyms

None

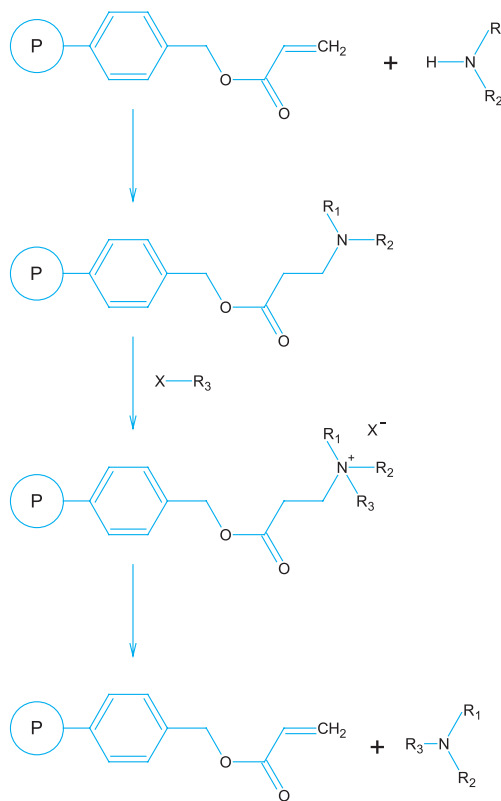
## Applications

PL-REM Resin is designed for the synthesis of tertiary amines.

Secondary amines can be attached to the resin via Michael addition. Primary amines can also be attached and then subjected to a reductive amination step to generate corresponding versions of polymer bound secondary amines.

Quaternization with alkyl halides creates the polymer-bound tertiary amine equivalent which can be cleaved by base catalyzed Hoffman elimination using triethylamine, for example.

In further developments, REM resin has been used as a polymer bound alkene in Heck reactions with arylhalides or as a support for the synthesis of N,N-disubstituted hydroxylamines (following oxidation and concomitant Cope elimination).



## References

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## Products Information

Microporous

**PL-REM Resin**

1.6mmol/g 150-300 $\mu$ m (50-100 mesh)