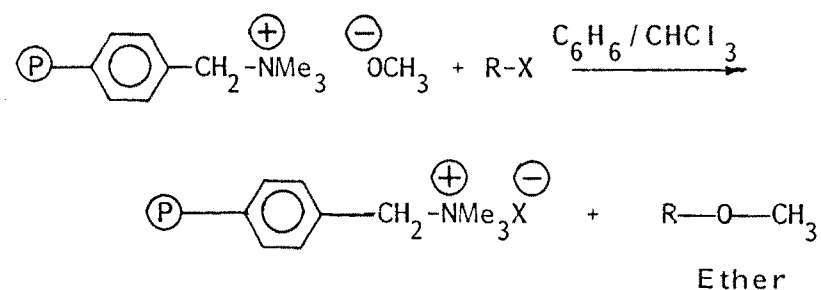

SYNOPSIS

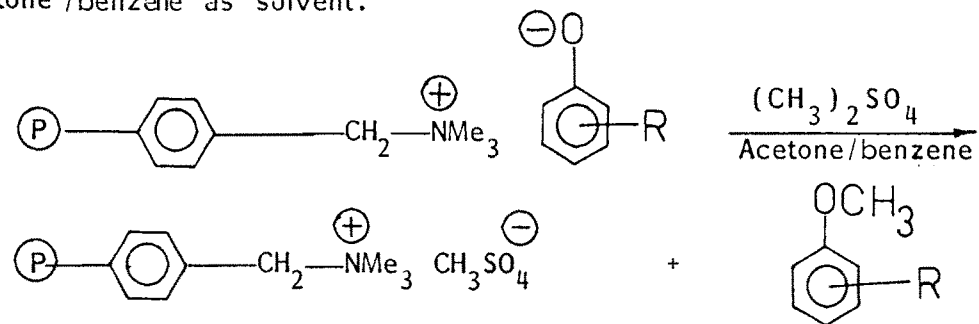
The dissertation entitled POLYMER-SUPPORTED REAGENTS IN ORGANIC SYNTHESIS consists of two chapters and embodies accounts of: **Chapter One** : A review of the application of functionalized Polymers in Organic Synthesis, **Chapter Two**, Part-A synthesis of ethers by Polymer-supported methoxide and ethoxide anion, Chapter Two, Part B, Alkylation of phenols by polymer-supported phenoxide anion and dimethyl/diethyl sulphate.

Chapter One is concerned with the preparation, structure and properties of functionalized polymers and application of the polymer supported reagents in the field of organic synthesis. A brief discussion on reactions using polymer-supported reagents and the advantages and disadvantages in using functionalized polymers is also included.

Chapter Two: Part A describes the synthesis of ethers in high yield by the reaction of polymer-supported methoxide and ethoxide anion with alkyl halide in suitable solvents. The products have been characterized by N.M.R. and I.R. spectral data.



Chapter Two: Part B describe the alkylation of polymer-supported phenoxide anions in high yield by dimethyl and diethyl sulphate in acetone /benzene as solvent.



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