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COVALENT ATTACHMENT OF MACROMOLECULES
ON SUBSTRATE SURFACES

ABSTRACT

Uncrosslinked polystyrene surfaces are
derivatized under Friedel-Crafts conditions in a
tetramethylenesulfone solvent using a substituted
N-hydroymethyl acetamide derivatizing agent. The
substituent is subject to nucleophilic substitution to
allow for the binding of a wide variety of molecules,
particularly specific binding pair members, to the
surface. Clarity is maintained for monitoring
observation of events on the surface through the
polystyrene.



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