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Tetrahedron Letters

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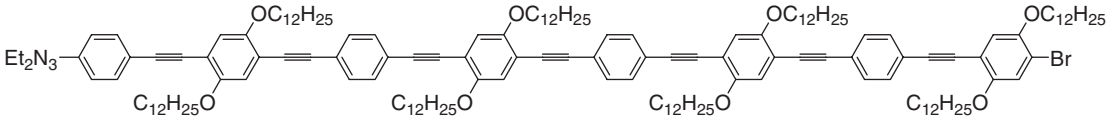
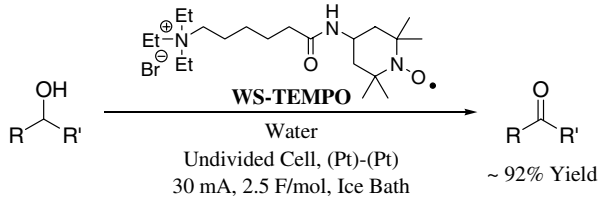
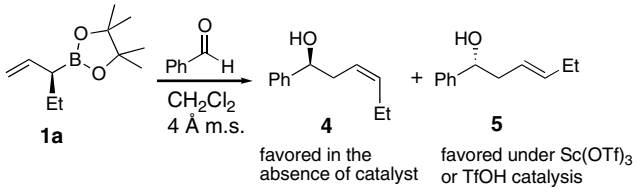
Contents

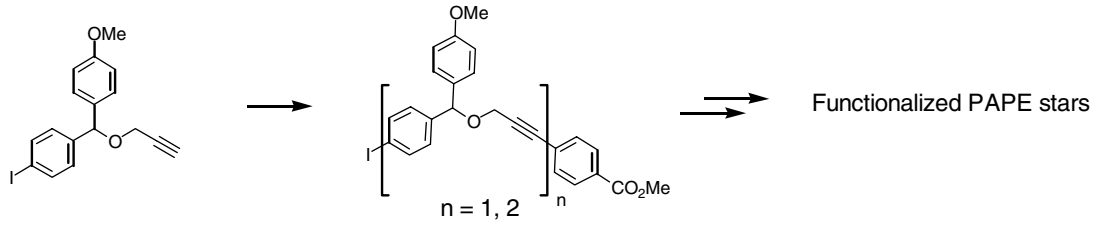
COMMUNICATIONS

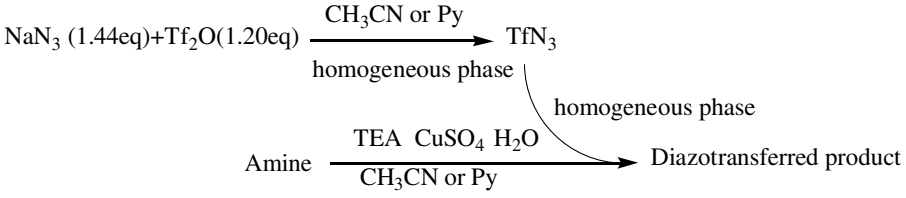


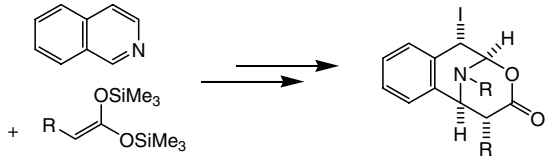
A novel in situ deprotection/coupling and iterative divergent/convergent strategy for the synthesis of oligo(1,4-phenyleneethynylene)s is described.

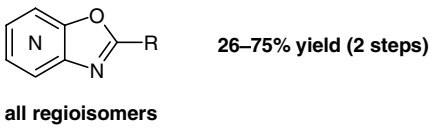


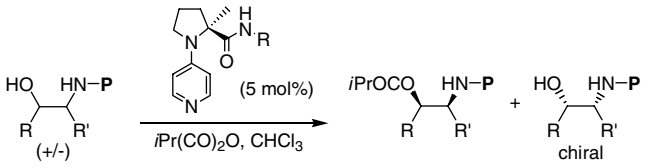




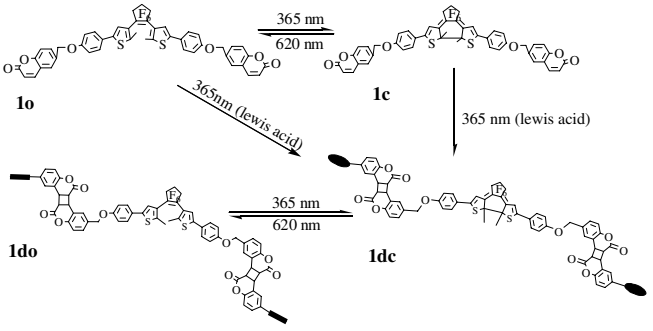


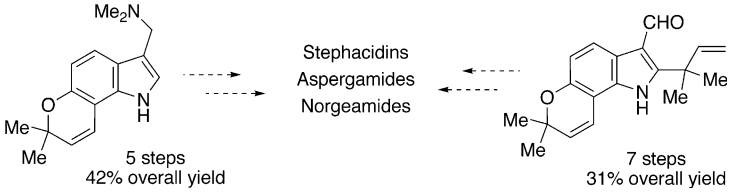


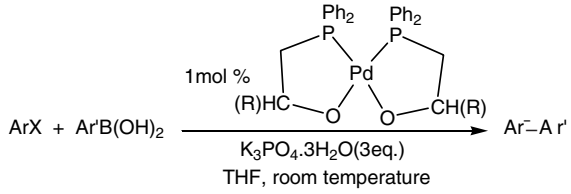


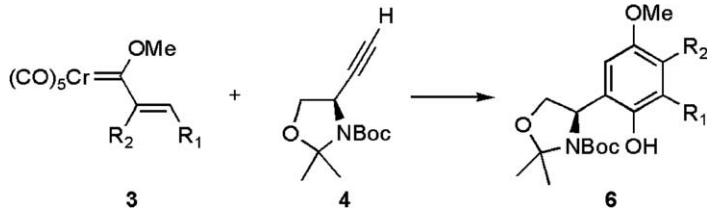


A photochromic diarylethene complex containing coumarin moiety was synthesized. The dimerization of coumarin groups and the photochromism of diarylethene can be controlled respectively to produce four corresponding states. This gives a unique example for the controllable switch of both optical properties and chemical composition by light and chemical stimuli.

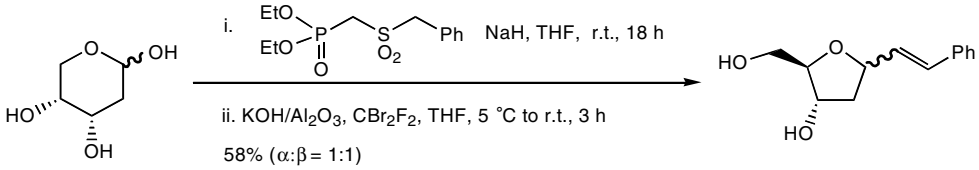


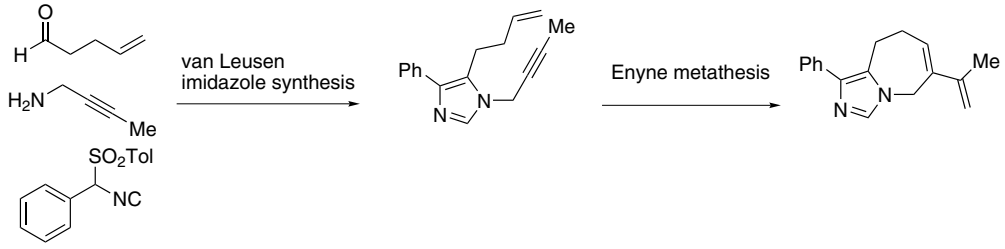


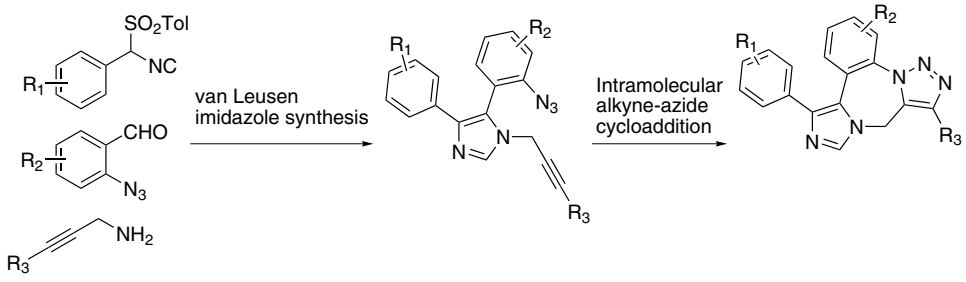


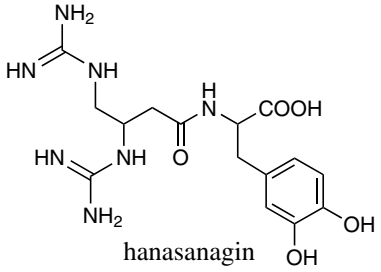


Arylglycines are biologically active α-amino acids. Our approach toward the synthesis of arylglycines features the Dötz benzannulation reaction between a variety of Fischer chromium carbene complexes **3** and alkyne **4** derived from L-serine. This leads to the formation of protected arylglycinols **5**, which can be transformed to the corresponding N-protected arylglycines.









hanasanagin

OTHER CONTENTS

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

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