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Tetrahedron Letters

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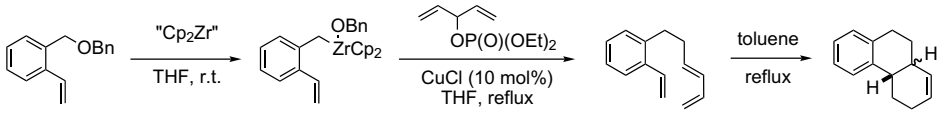
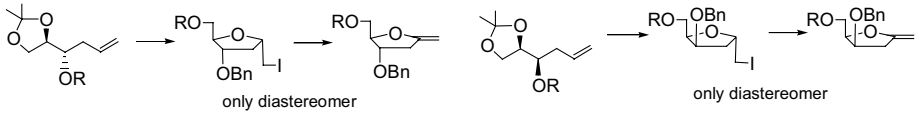
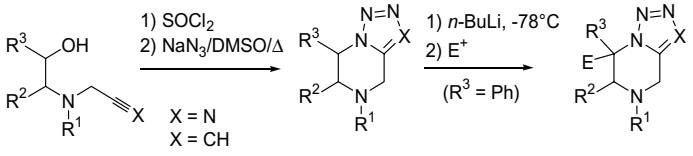
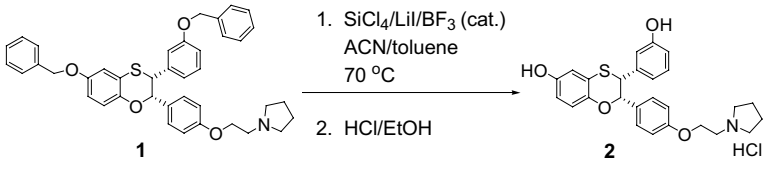
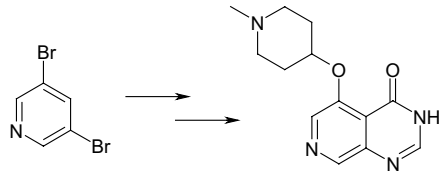
COMMUNICATIONS

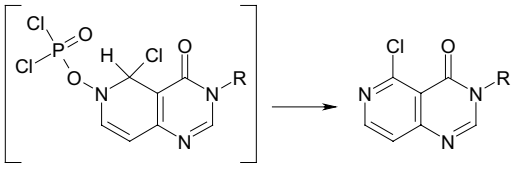


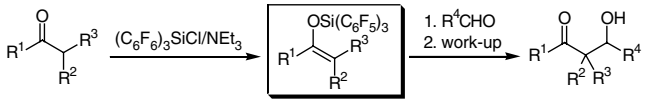




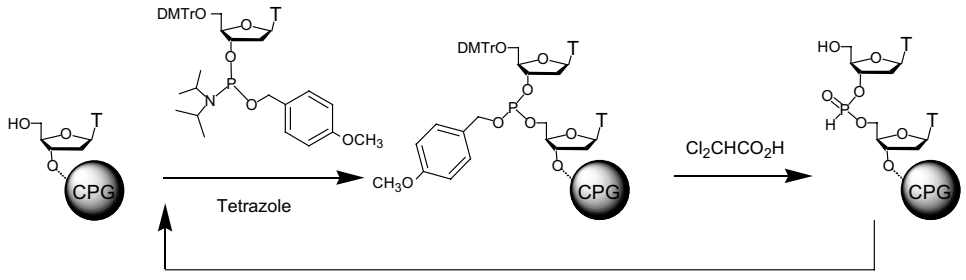


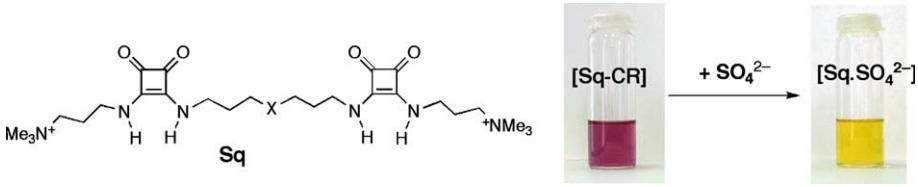


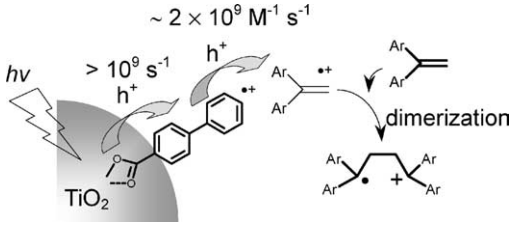


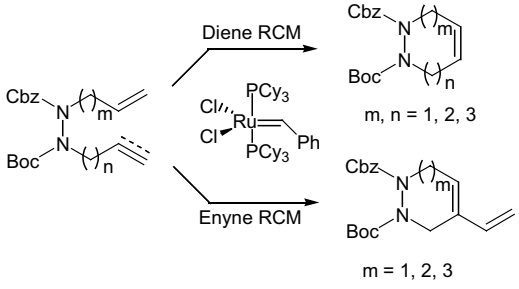


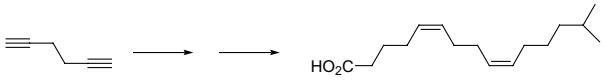
Tris(pentafluorophenyl)silyl enol ethers have been prepared and involved in uncatalyzed aldol reactions.



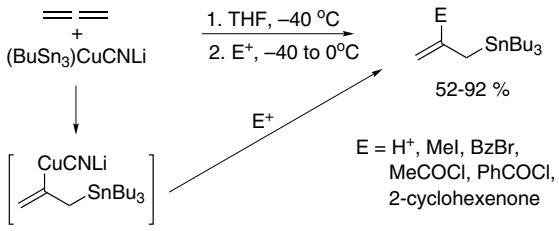


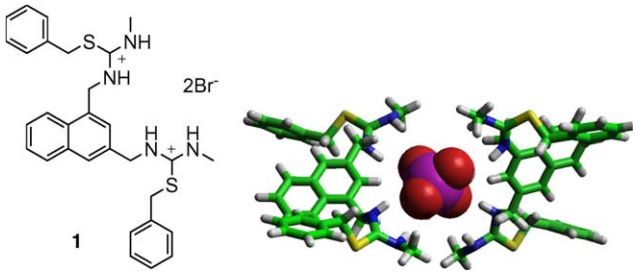


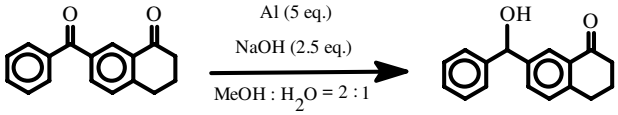


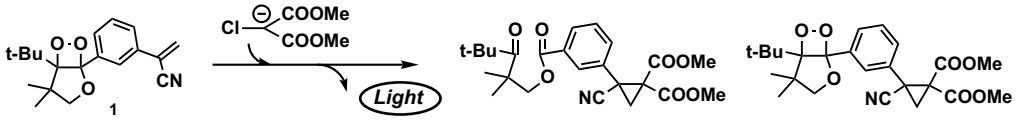


The first stereoselective synthesis for the (5*Z*,9*Z*)-14-methyl-5,9-pentadecadienoic acid and the monounsaturated analog (*Z*)-14-methyl-9-pentadecenoic acid was accomplished in six to seven steps where double alkyne coupling was the key step.

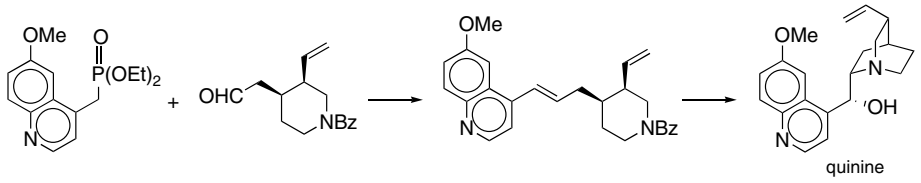


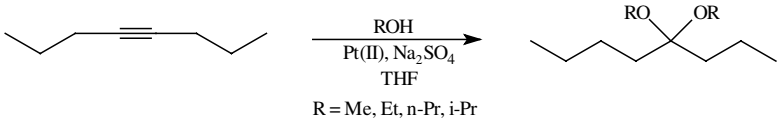




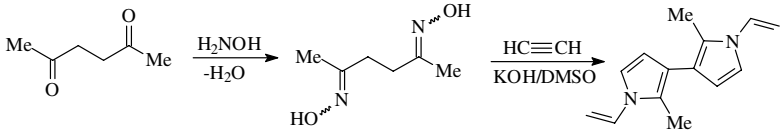


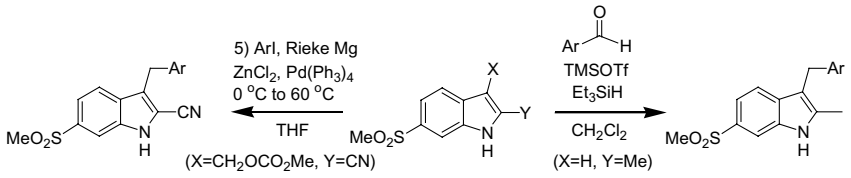
Michael addition of anion of chloromalonate to a dioxetane (**1**) occurs to give an intermediary benzilic anion, which undergoes chemiluminescent decomposition and intramolecular cyclopropanation concurrently.

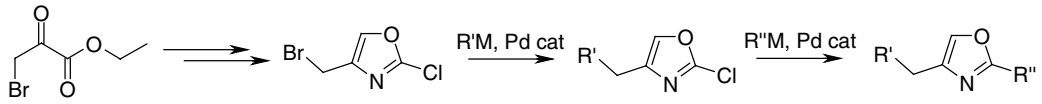


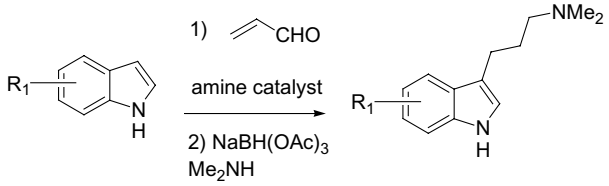


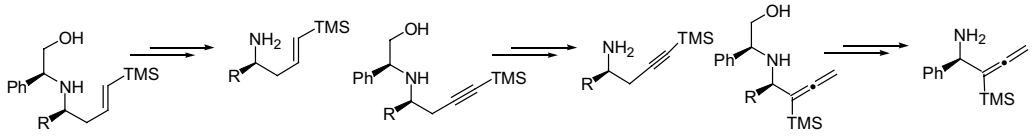
A simple, high-yielding synthesis of acetals from the platinum(II)-catalyzed addition of alcohols to alkynes is described. The regioselectivity of the method and its mechanism are also discussed.

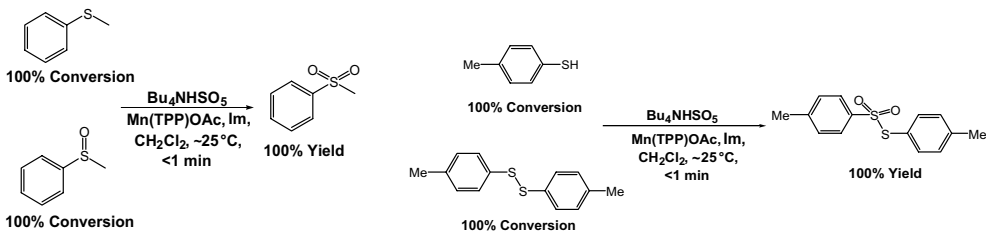


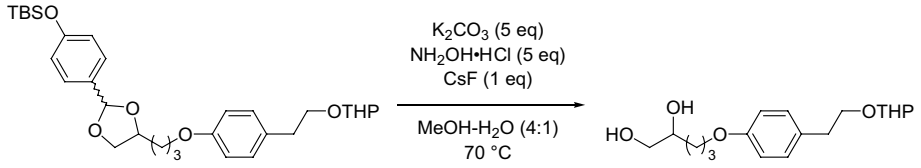


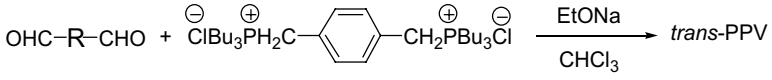




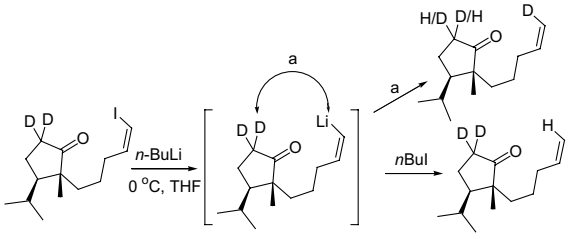


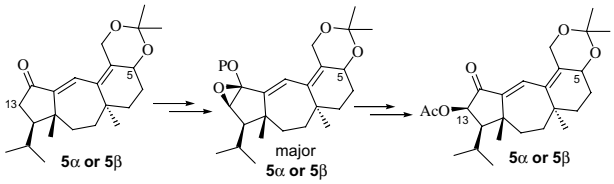






A modified Wittig polycondensation was developed to synthesize high-*trans* and high-molecular weight PPVs using the tributylphosphorus ylide instead of the triphenylphosphorus ylide.





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*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

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