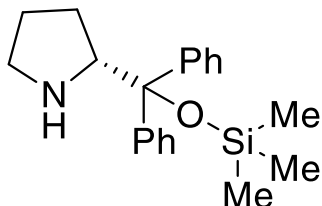
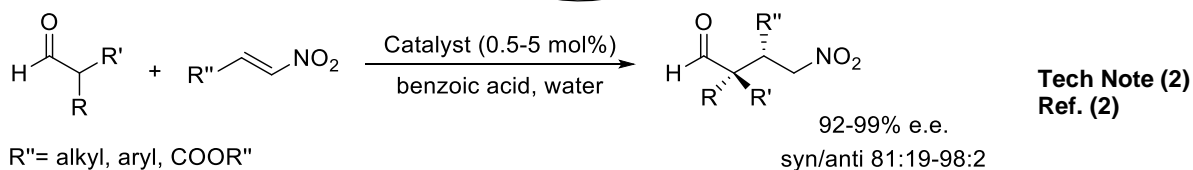
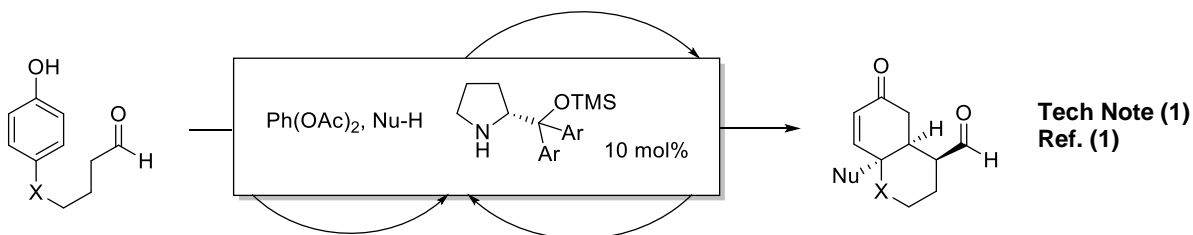


Catalog # 07-7234 (R)-Diphenylprolinol Trimethyl Silyl Ether, 95% (99% ee)

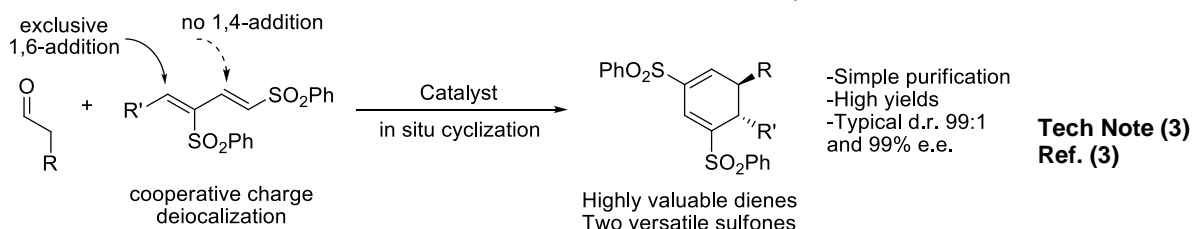


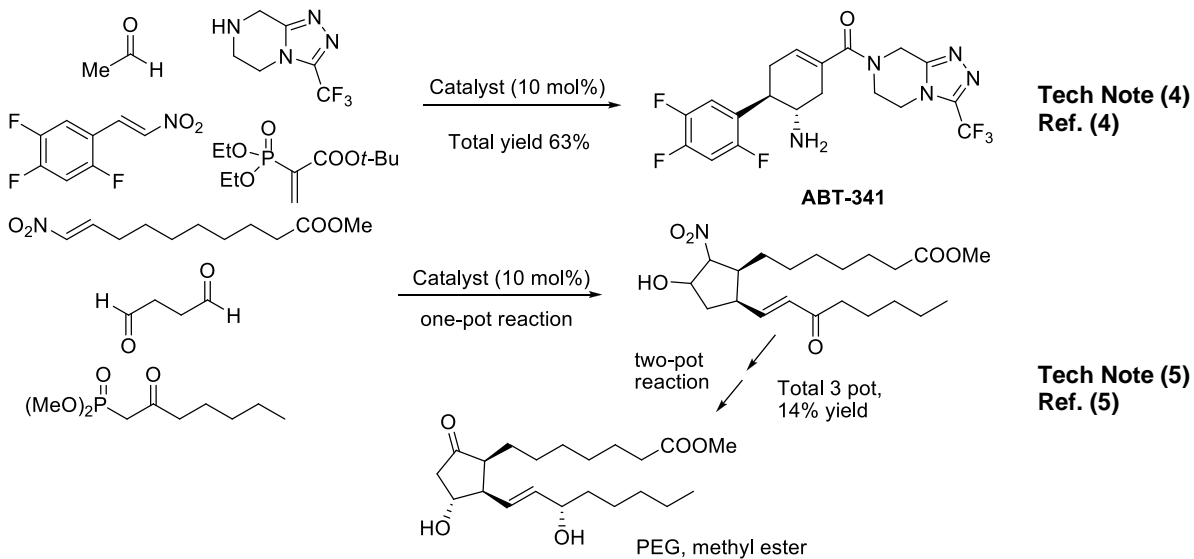
Technical Notes:

1. Michael Addition- oxidative dearomatization of substituted phenols followed by a desymmetrizing secondary amine-catalyzed asymmetric intramolecular Michael addition controls three new stereogenic centers and an array of exploitable orthogonality.
2. A highly effective catalytic procedure for the Michael addition of aldehydes to nitroalkenes is achieved.
3. Conjugate Addition- An unprecedented 1,6-enamine conjugate from 1,3-bis(sulfonyl) butadienes.
4. ABT-341 was synthesized in a one-pot process. An asymmetric Michael reaction, a domino Michael/Horner-Wadsworth-Emmons reaction combined with a retro-aldol reaction, base-catalyzed isomerization, amide-bond formation, and reduction of the nitro group all took place in a single flask.
5. Efficient synthesis in a small number of synthetic steps using one-pot operations involving several successive reactions.



R''= alkyl, aryl, COOR''





References:

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