Formation of Trisubstituted Buta-1,3-dienes and α,β-Unsaturated Ketones via the Reaction of Functionalized Vinyl Phosphates and Vinyl Phosphordiamidates with Organometallic Reagents.

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Supporting Information

Copies of 1H and 13C NMR spectra S2-S63
Copies of $^1$H and $^{13}$C NMR spectra

![NMR Spectra Diagram]
![N-P-O](Me\text{CO}_2\text{Et})_{2e}
$f_1$ (ppm)

$\text{H}_3\text{C}$

$4a$

$\text{O}$

$\text{H}$

$\text{C}$
