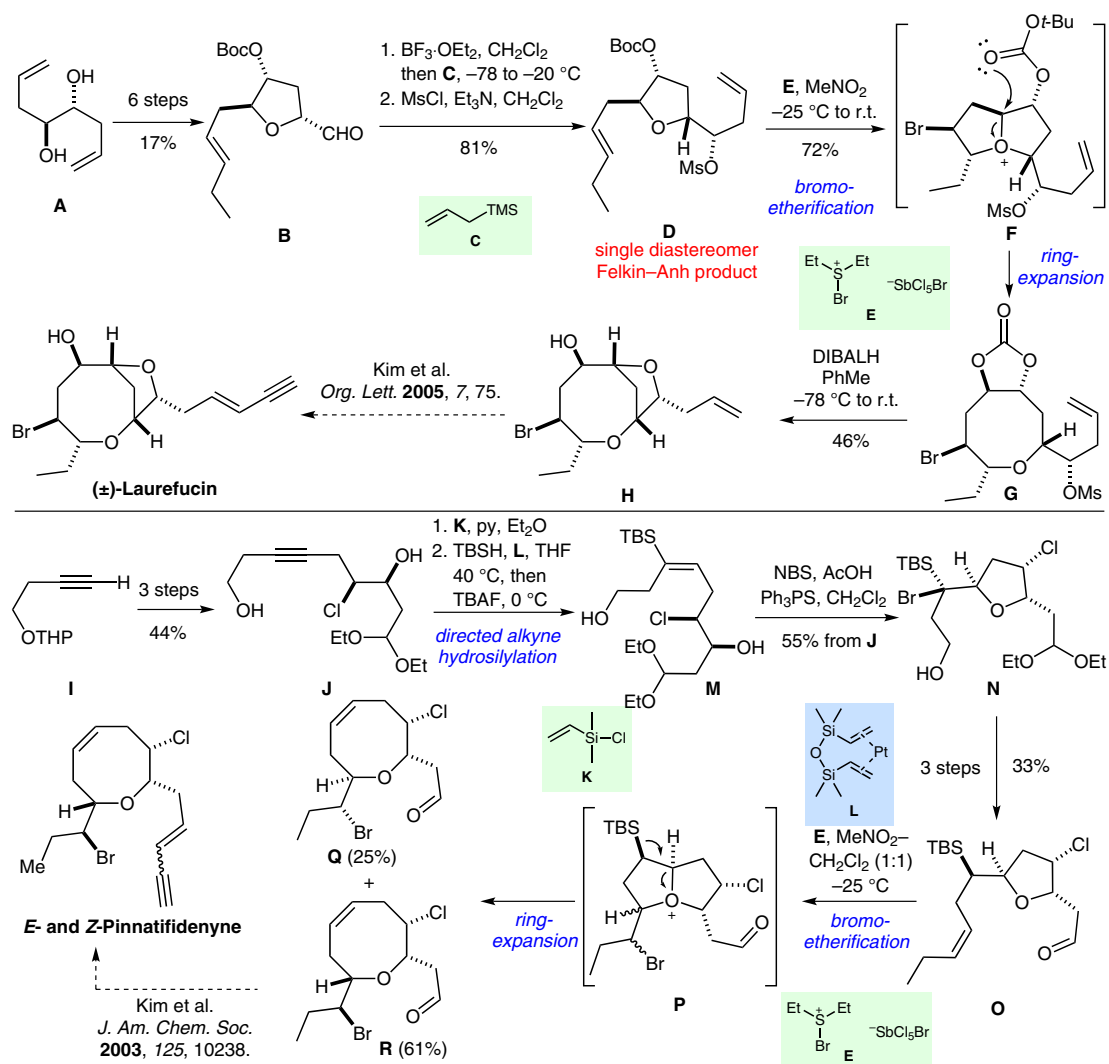


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Concise Synthetic Approaches for the *Laurencia* Family: Formal Total Syntheses of (±)-Laurefucin and (±)-*E*- and (±)-*Z*-Pinnatifidenyne

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## Formal Syntheses of (±)-Laurefucin and (±)-*E*- and (±)-*Z*-Pinnatifidenyne



**Significance:** (±)-Laurefucin and (±)-*E*- and (±)-*Z*-pinnatifidenyne are oxocanes belonging to the class of *Laurencia* haloethers. The authors implement a previously developed bromoetherification–ring-expansion sequence to obtain the stereochemically rich medium-sized rings present in the natural products.

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**Comment:** Treatment of highly functionalized tetrahydrofuran substrates **D** and **O** with bromonium source **E**, induces a haloetherification giving oxonium intermediates **F** and **P**. Subsequent intramolecular trapping by an internal nucleophile provides previously reported cyclic ethers **G** and **R**.