S. A. SNYDER,* A. P. BRUCKS, D. S. TREITLER, I. MOGA (COLUMBIA UNIVERSITY, NEW YORK, USA)
Concise Synthetic Approaches for the Laurencia Family: Formal Total Syntheses of (±)-Laurefucin and (±)-E- and (±)-Z-Pinnatifidenyne


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 stereocchemically rich medium-sized rings present in the natural products.

**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.