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Total Synthesis of Kinamycins C, F, and J
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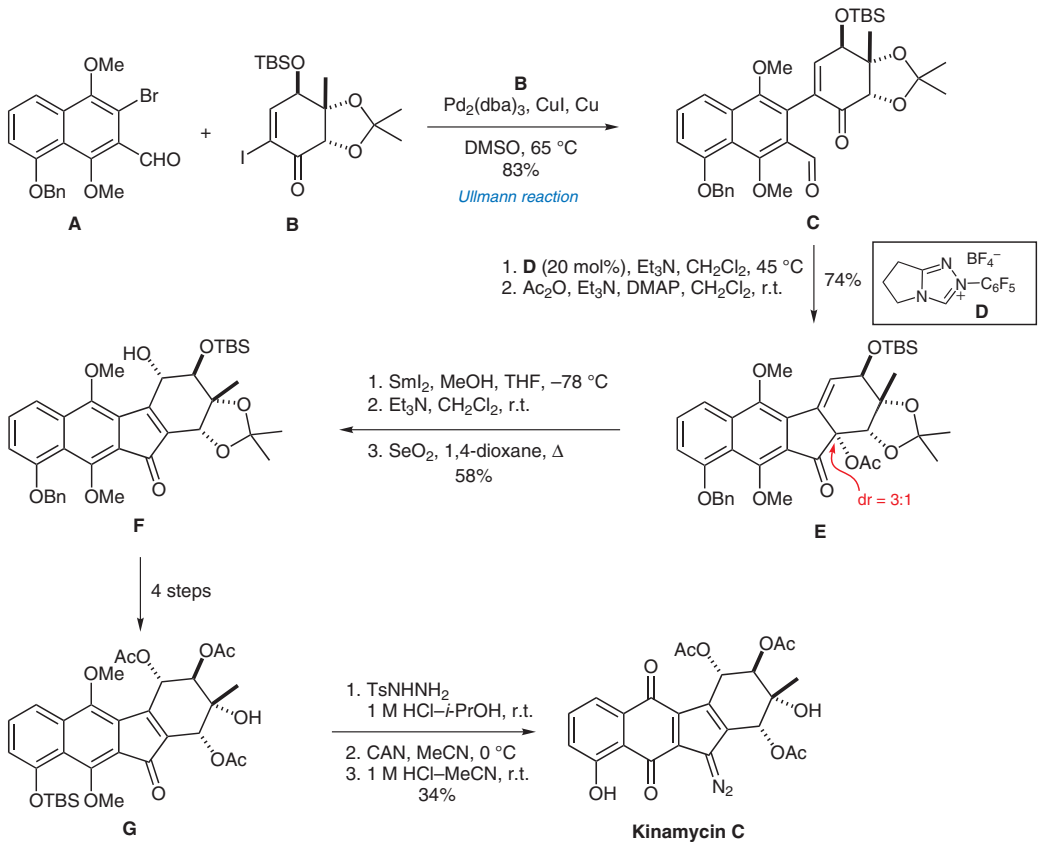
Synthesis of Kinamycin C



Significance: Kinamycins are *Streptomyces* metabolites that contain a rare diazofluorene moiety. Kinamycin C possesses strong inhibiting activity against Gram-positive bacteria along with some antitumor activity. A convergent synthesis is presented in which both key building blocks **A** and **B** can be synthesized on a multigram scale.

Comment: Addition of catalytic amounts of CuI markedly improved the yield in the Ullmann coupling of **A** and **B**. A substoichiometric amount of triazolium salt **D** (T. Rovis and co-workers *J. Org. Chem.* **2005**, *70*, 5725) mediated a Stetter-type transformation to construct the cyclopentanone ring. TBS-protected kinamycin C can be easily transformed into kinamycins F and J.

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