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Stereospecific Synthesis of 2,2,3-Trisubstituted Tetrahydroquinolines: Application to the Total Syntheses of Benzastatin E and Natural Virantmycin
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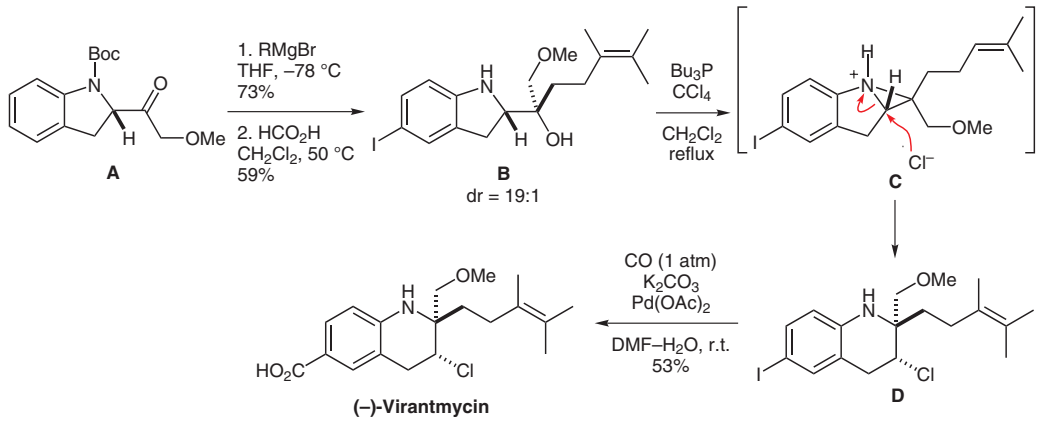
Total Syntheses of Benzastatin E and Virantmycin



Significance: The first synthesis of the natural (–)-antipode of Virantmycin is reported. Virantmycin is a potent inhibitor of RNA and DNA viruses. It is isolated from *Streptomyces nitrosporeus*. The related benzstatins inhibit glutamate toxicity and lipid peroxidation.

Comment: The difficult stereoselective construction of a chiral quaternary center was accomplished by a stereospecific rearrangement of an α,α-disubstituted indoline-2-methanol **B** via aziridinium ion **C**.

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