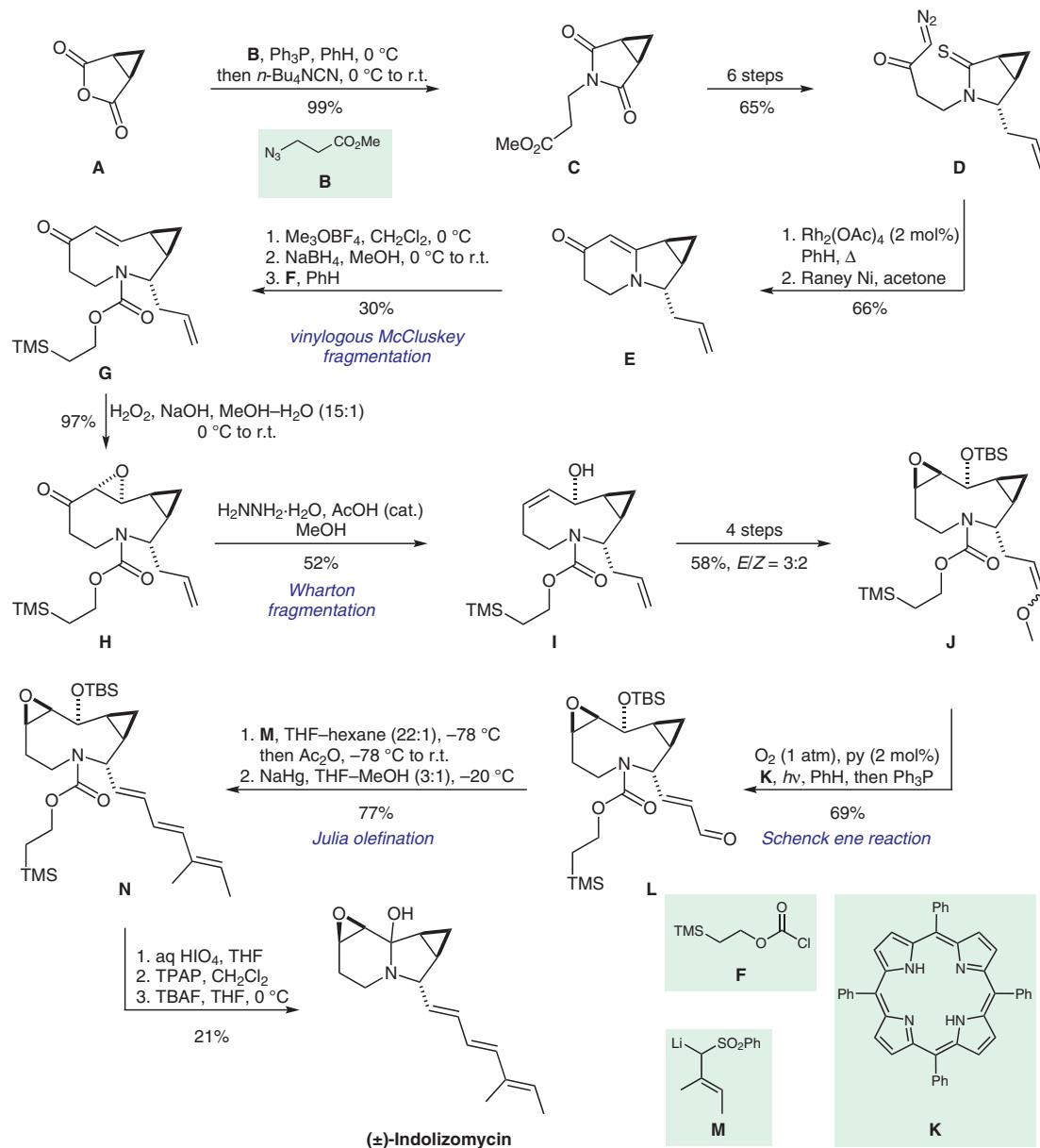


Total Synthesis of (\pm)-Indolizomycin



Significance: (\pm)-Indolizomycin has a unique structure containing a hemiaminal, where the bridgehead hydroxyl group is flanked by a cyclopropane and an epoxide. Danishefsky and co-workers describe the first total synthesis of (\pm)-indolizomycin.

Comment: Annulation of diazo ketone D furnished indolizidine E. Subsequent McCluskey fragmentation and epoxidation set the stage for a Wharton fragmentation to furnish allylic alcohol I. Further elaboration gave (\pm)-indolizomycin.