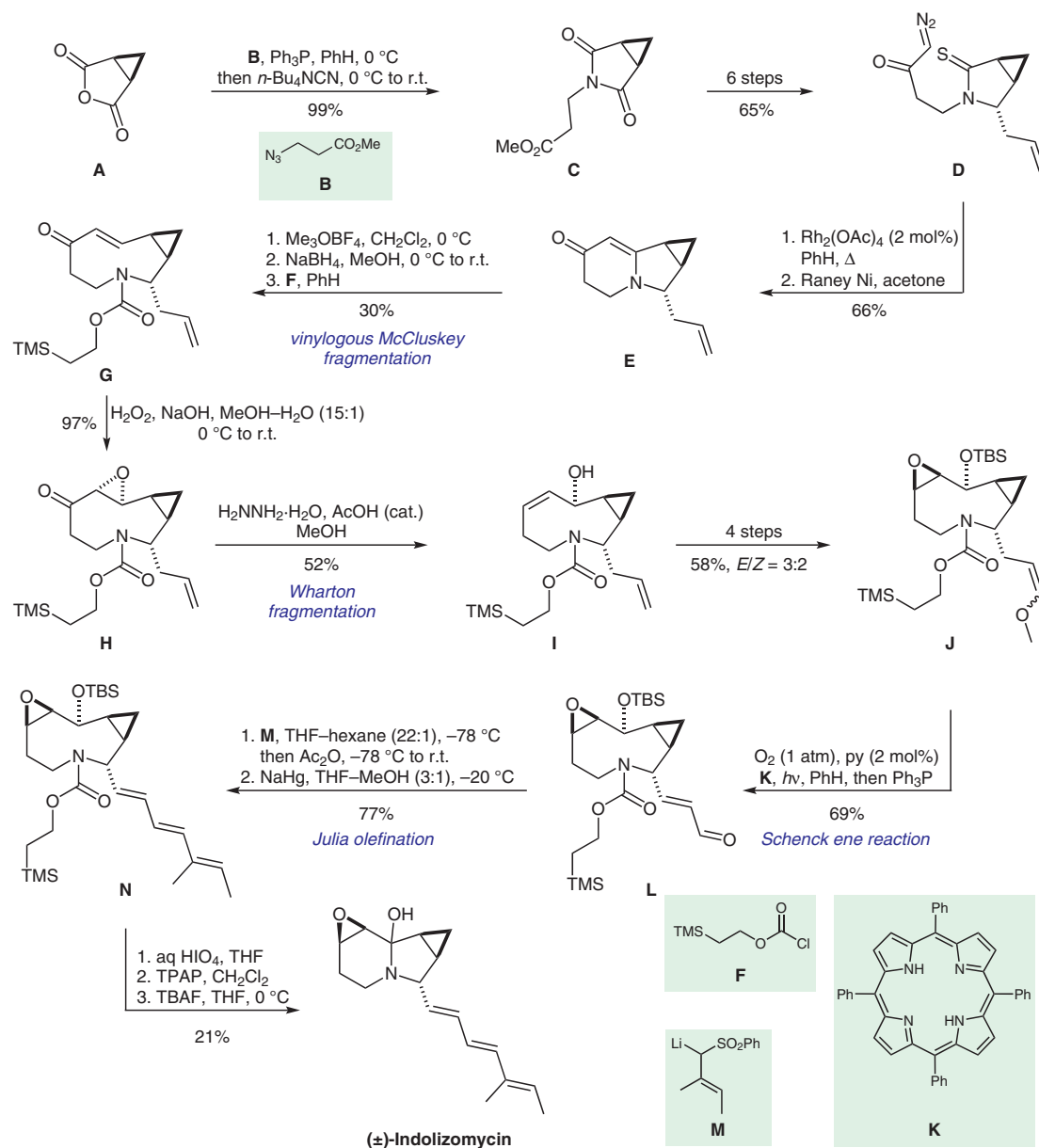


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The Total Synthesis of Indolizomycin

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## Total Synthesis of (±)-Indolizomycin



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

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