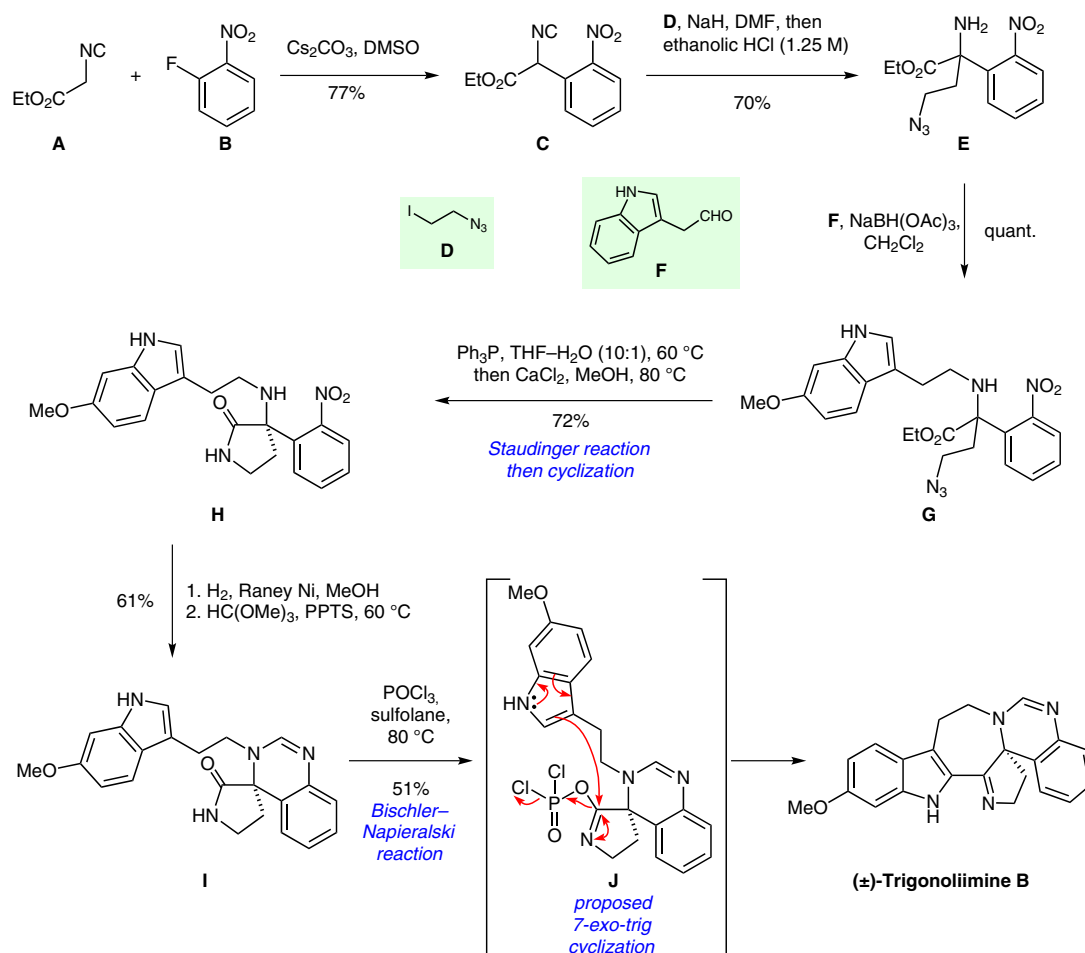


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A Concise Total Synthesis of (±)-Trigonoliimine B
Org. Lett. **2012**, *14*, 1338–1341.

Synthesis of (±)-Trigonoliimine B



Significance: Trigonoliimine B was isolated in 2010 from the leaves of *Trigonostemon lili* and was found to exhibit modest anti-HIV activity. The unusual molecular architecture has attracted a considerable amount of interest from the synthetic community.

Comment: (±)-Trigonoliimine B was prepared in seven steps and 12% yield from commercially available starting materials. A Bischler–Napieralski reaction provided the seven-membered ring in good yield. This was proposed to occur via 7-exo-trig cyclization; however, a 6-exo-trig/1,2-migration pathway is also possible.

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