Concise Total Synthesis of (+)-Lyconadin A

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**Synthesis of (+)-Lyconadin A**

**Significance:** Lyconadin A was isolated in 2001 from the club moss *Lycopodium complanatum* and found to exhibit modest biological activity against some cancer cell lines. To date, two total syntheses have been reported by Smith and Sarpong, in 2007 and 2010, respectively.

**Comment:** This highly efficient synthesis contains many notable steps. One particularly interesting transformation is the formation of tetracycle I by ring expansion of the cyclopropane present in G, followed by nucleophilic attack of the secondary amine to quench the allyl cation.

**SYNFACTS Contributors:** Steven V. Ley, Philippa B. Cranwell

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