Total Synthesis of (–)-Vinigrol

**Significance:** The authors report the total synthesis of (–)-vinigrol, which has been an attractive target since its isolation in 1987. Key features of the synthesis include a transannular Diels–Alder reaction and an anionic Cope rearrangement.

**Comment:** The synthesis starts from (–)-limonene and gives ketone B following a known procedure. Anionic Cope rearrangement and further elaboration yield macrocycle H. Intramolecular Diels–Alder reaction gives access to the skeleton of vinigrol, which itself is obtained after five more steps.