Synthesis of (±)-Waihoensene

**Significance:** Isolated from a New Zealand podo-carp in 1997, waihoensene is a tetracyclic diterpene with four contiguous quaternary carbon centers. Lee and co-workers report the first total synthesis of the title compound by employing a trimethylene-methane tandem cycloaddition.

**Comment:** Condensation of aldehyde F with tosylhydrazide followed by elimination, afforded diazoalkane G, which underwent the key tandem cycloaddition to afford tetracycle J. Four more steps completed the synthesis of (±)-waihoensene.

---

**SYNFACTS Contributors:** Erick M. Carreira, Matthieu J. R. Richter

**Synfacts 2017, 13(09), 0895** Published online: 18.08.2017

**DOI:** 10.1055/s-0036-1590751; **Reg-No.: C04217SF**