Total Synthesis of (+)-Dynemicin A

**Significance:** In 1997, Myers and co-workers reported the first total synthesis of (+)-dynemicin A. The potent antitumor antibiotic features a strained 10-membered enediyne motive. Its unique structural characteristics and high reactivity have attracted the interest of the synthetic community since its isolation in the 1980s.

**Comment:** Ester F was accessed by cross-coupling enol triflate D and arylboronic acid E. The enediyne motive was introduced via Yamaguchi-type acetylide addition onto quinoline G. The Diels–Alder reaction of quinone imine M with isobenzofuran N yielded the natural product after deprotection.