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

**Significance:** (+)-Ophiobolin is a naturally occurring sesterterpene isolated from the pathogenic plant fungus *Ophiobolus miyabeanus* in 1958. It exhibits bioactivity against a range of nematodes, fungi, and bacteria. Herein, the first total synthesis of (+)-ophiobolin is reported.

**Comment:** This synthesis utilizes Utimoto’s conditions ([Tetrahedron Lett. 1988, 29, 1041](#)) for the Reformatsky-type coupling of α-bromo ketone **C** and aldehyde **B** in high yield. Stereoselective hydrogenation and methyl addition are utilized to install the stereocenters at C2 and C3 with excellent selectivity. A ring-closing metathesis is used to form the unsaturated eight-membered ring.