Total Synthesis of (−)-Flueggine A and (+)-Virosaine B

**Significance:** Securinega alkaloids have been used for a long time in traditional Chinese medicine. Two recently isolated members of this family, (−)-flueggine A and (+)-virosaine B, have now been synthesized for the first time. The concise route to access the two natural products involves a [1,3]-dipolar cycloaddition. The precursors for this key step are synthesized by a sequence including a relay ring-closing metathesis followed by a Meisenheimer rearrangement.

**Comment:** The route starts with the synthesis of the two natural products (−)-norsecurinine (E) and (+)-allonorsecurinine (F) by a relay ring-closing metathesis, whereby the order of ring-closing events can be carefully controlled. The route then follows a previously described strategy (Tetrahe-dron 1993, 49, 8059) to access the two O-alkyldroxyamines H and K. Finally, heterodimeric (−)-flueggine A is accessed by allowing nitrone I to react with E, whereas (+)-virosaine B results from an intramolecular cycloaddition of nitrone L.