Synthesis of (–)-Oseltamivir

**Significance:** A remarkably short and efficient gram-scale synthesis of the neuraminidase inhibitor (–)-oseltamivir is reported featuring an organocatalytic Michael addition as the first step. The sequence requires only one pot and was achieved without evaporation of solvent or solvent exchange. The overall yield for the gram-scale synthesis was 28% from the (Z)-nitroalkene B.

**Comment:** A thorough investigation of the mechanism of the initial Michael addition established optimum conditions which include (1) the use of a bulky O-silyl-substituted diphénylprolinol catalyst (C), (2) chlorobenzene as the solvent, and (3) the addition of formic acid to accelerate the reaction and to increase diastereo- and enantioselectivity. This represents a substantial improvement on an earlier synthesis (H. Ishikawa et al. *Chem. Eur. J.* 2010, 16, 12616).