



Synthesis of Thailanstatin A

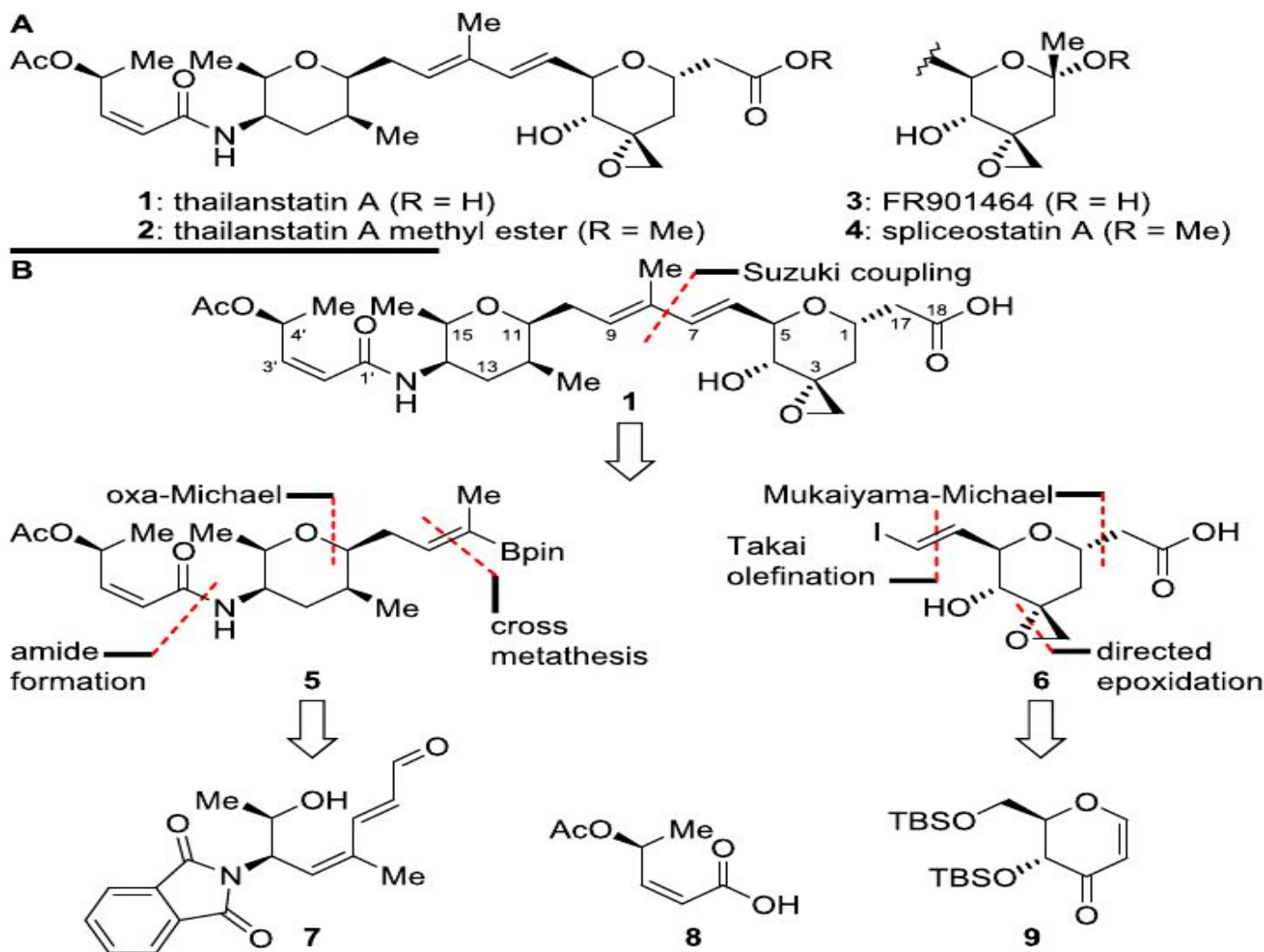
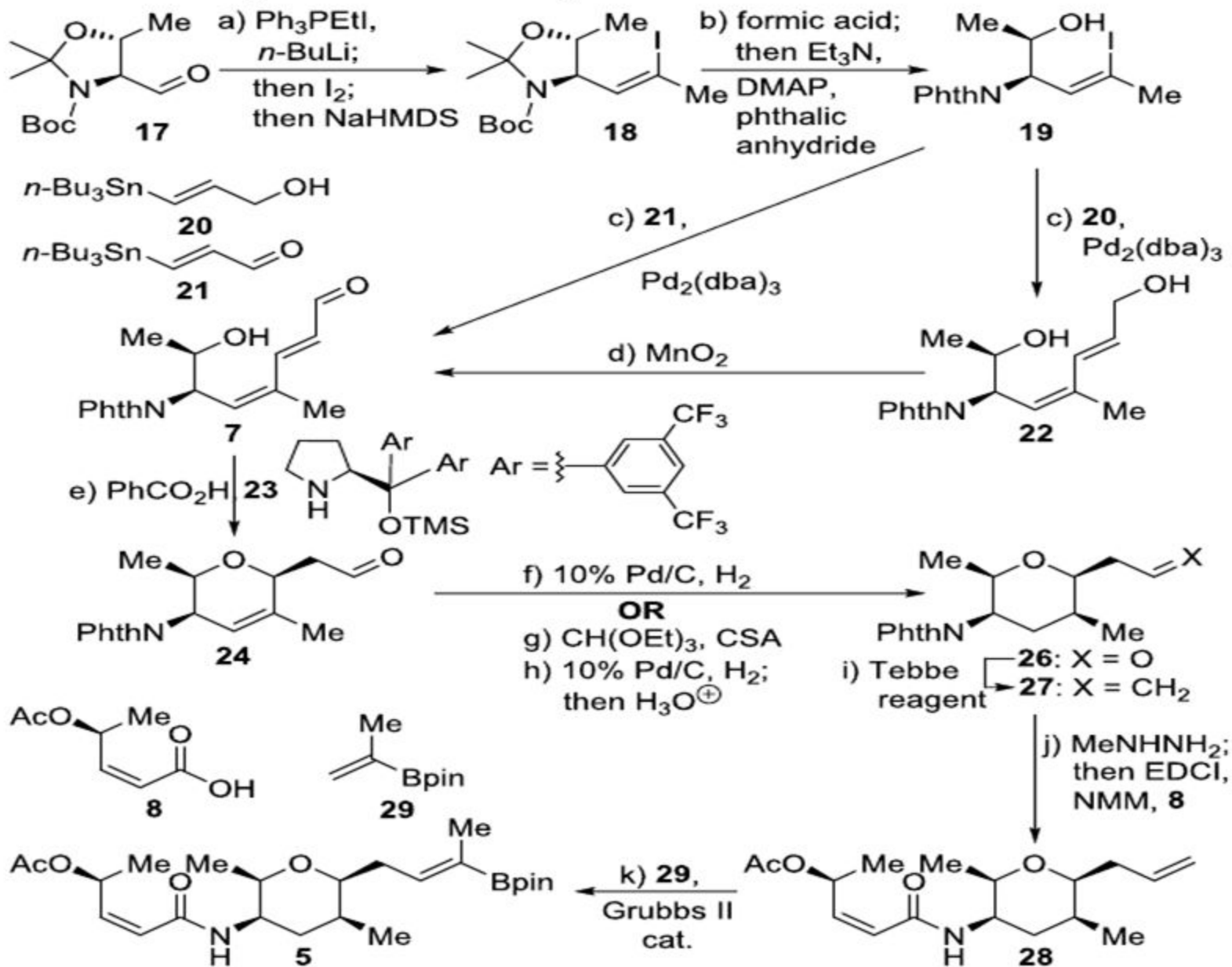
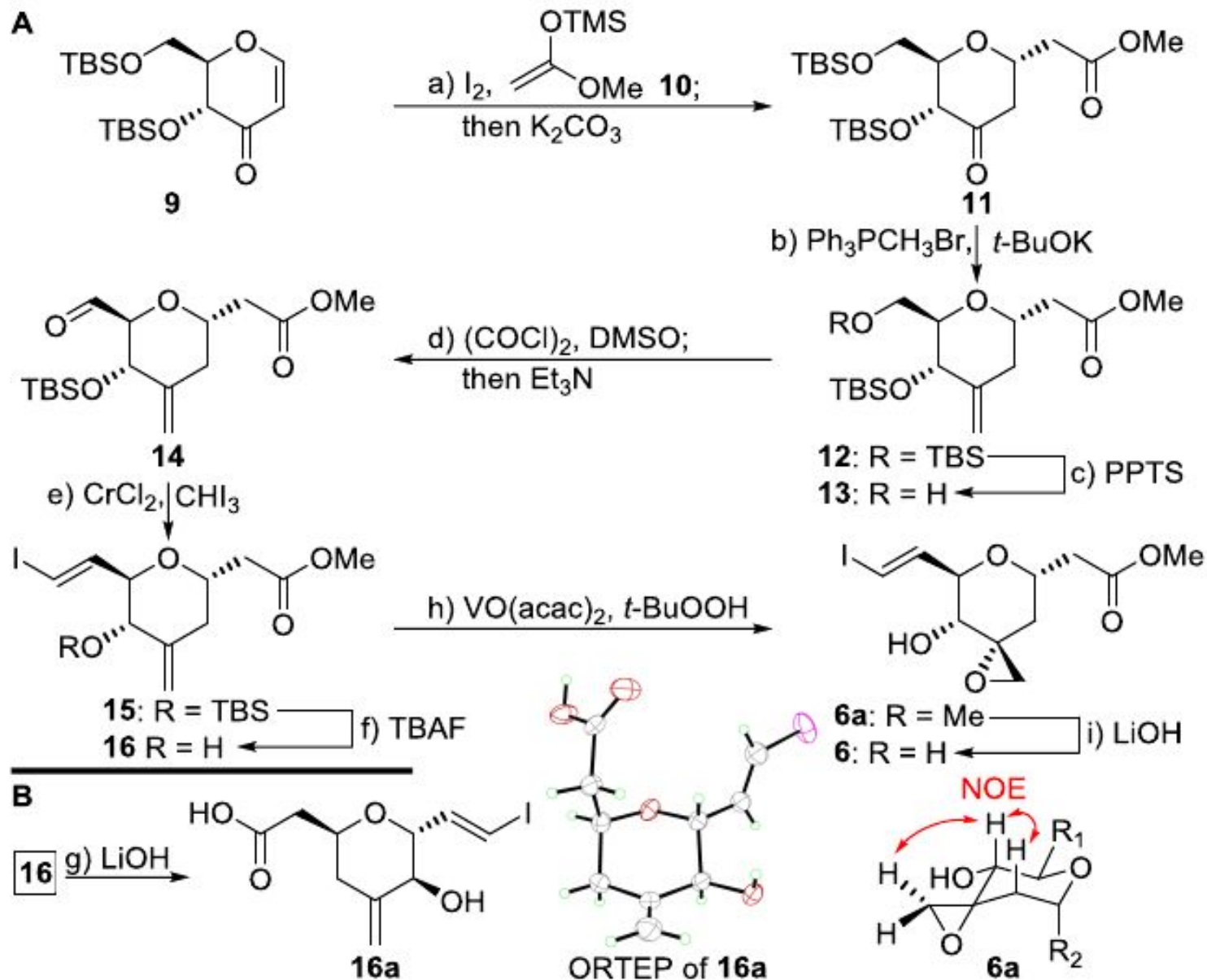


Figure 1. A: Molecular structures of thailanstatin A (1), its methyl ester (2), and related natural products FR901464 (3) and spliceostatin A (4). B: Retrosynthetic analysis of 1 through intermediates 5 and 6.

Synthesis of Vinyl Boronate 5^a



Synthesis of Vinyl Iodides 6 and 6a^a



Completion of the Total Synthesis of Thailanstatin A (1) and its Methyl Ester (2)^a

