



Synthesis of Thailanstatin A

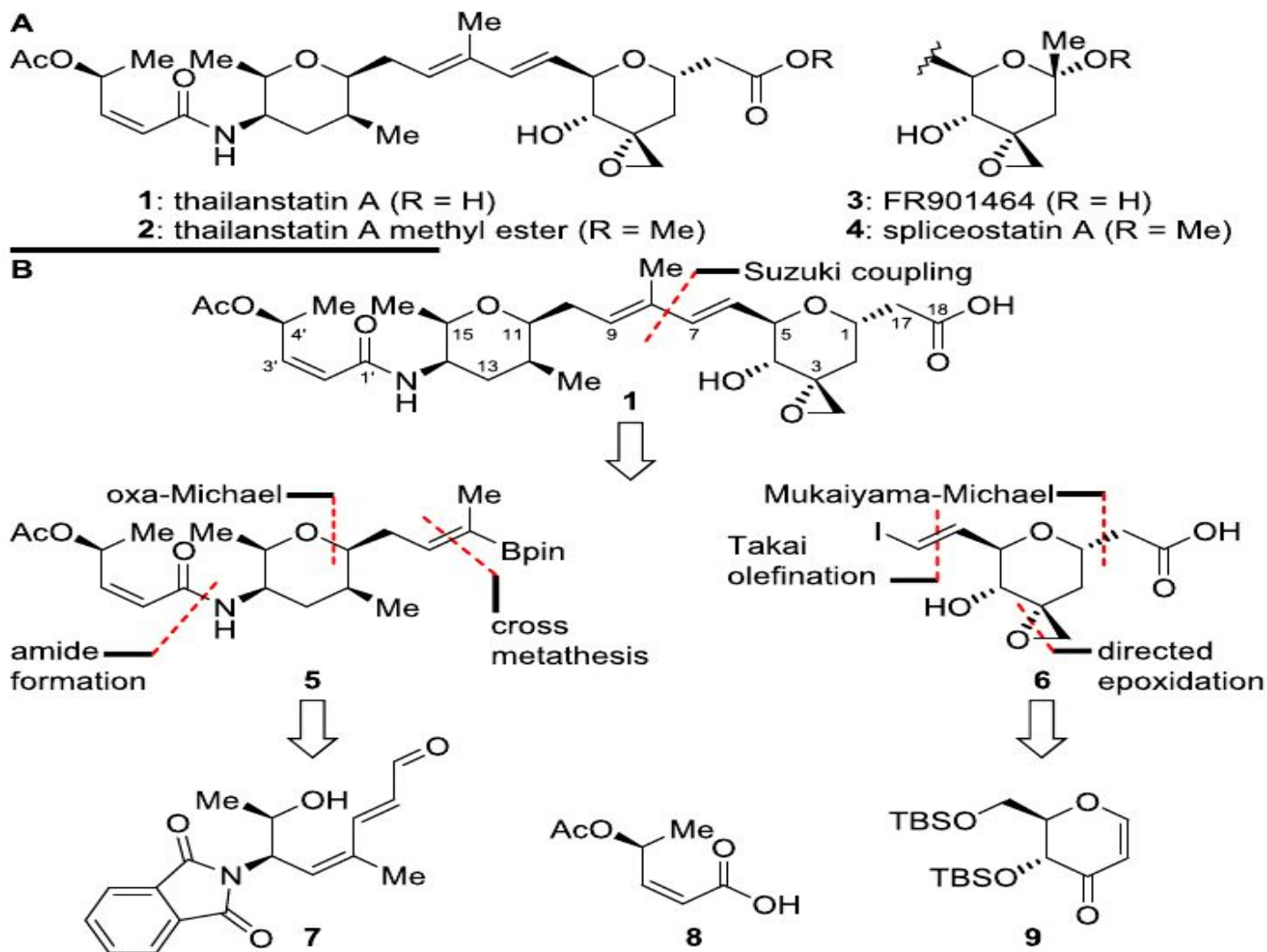
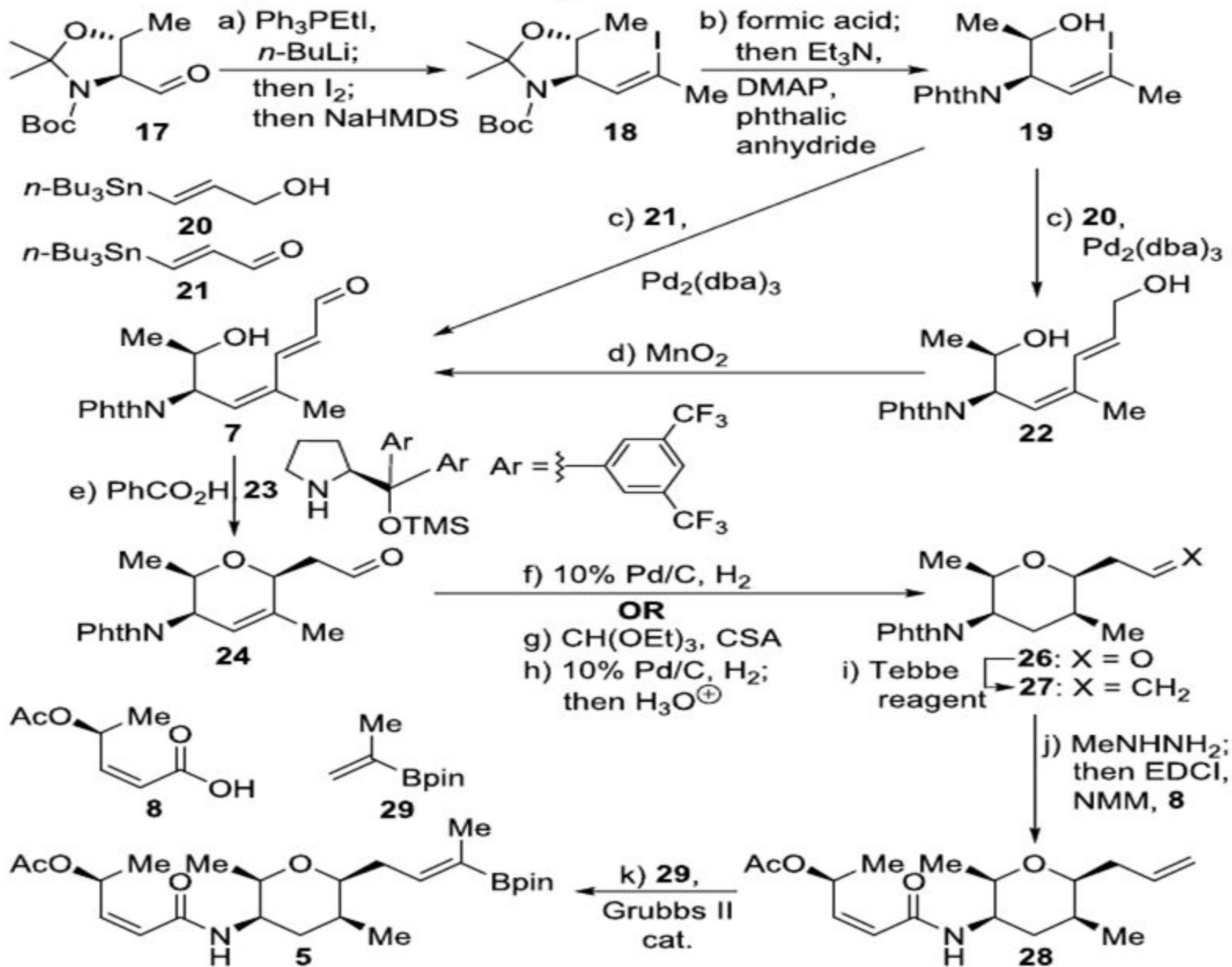
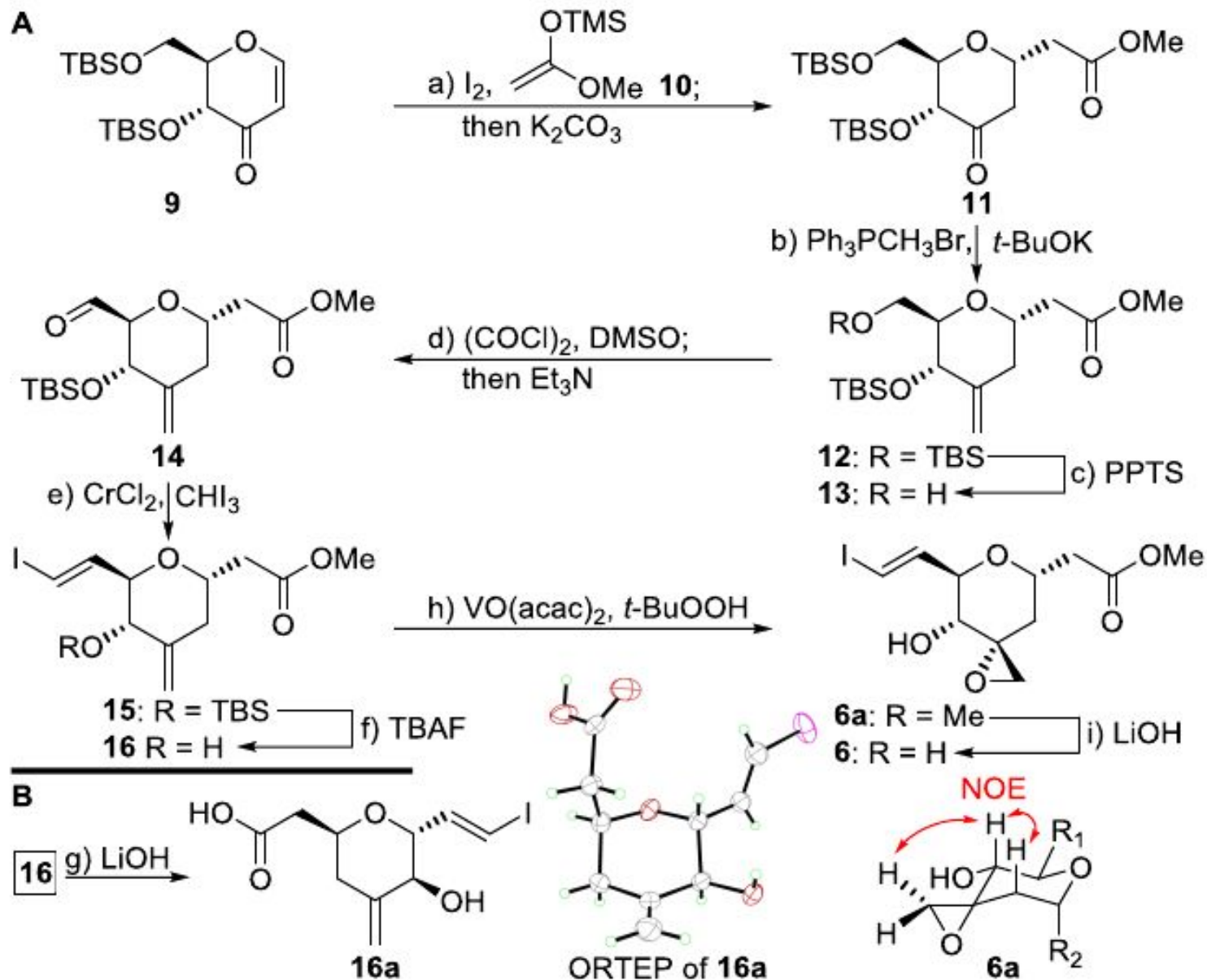


Figure 1. A: Molecular structures of thailanstatin A (**1**), its methyl ester (**2**), and related natural products FR901464 (**3**) and spliceostatin A (**4**). B: Retrosynthetic analysis of **1** through intermediates **5** and **6**.

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

