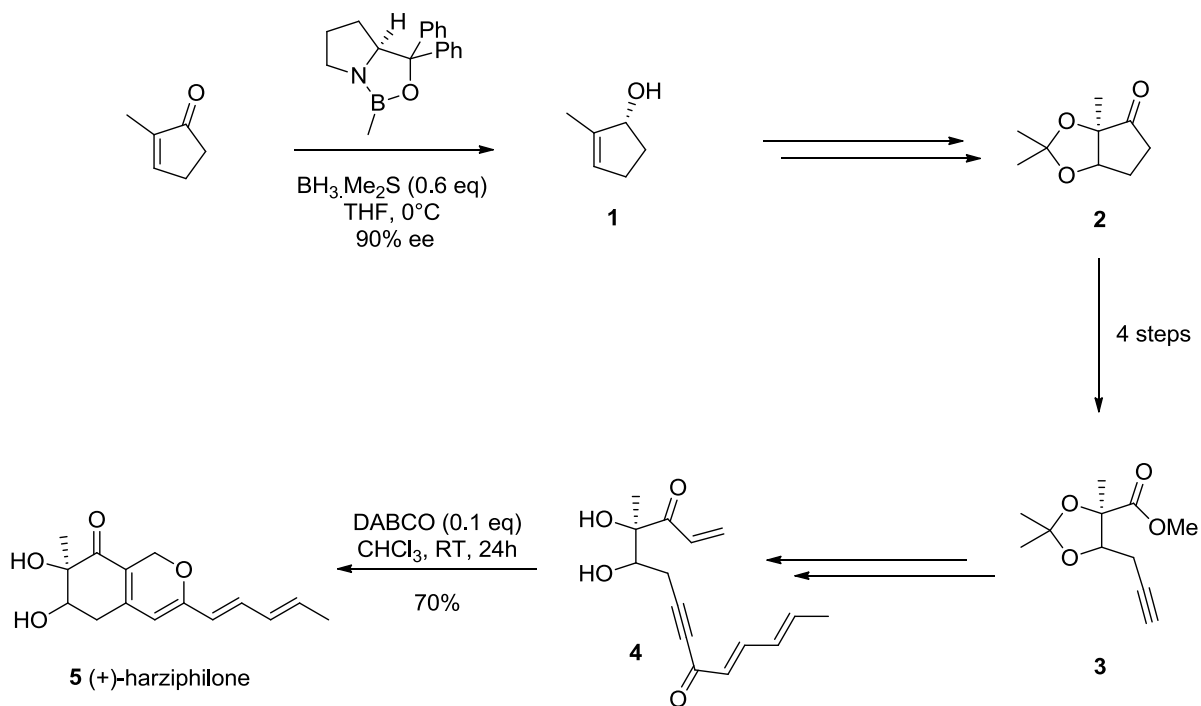


## Concise synthesis of (+)-harziphilone by Sorensen et al.



1) Propose an intermediate explaining the selectivity of the CBS reduction forming **1**.

2) Propose conditions to synthesize **3** from **2**

2) Detail the mechanism of the transformation affording **5** from **4**. The deprotected diol favors the first step of the sequence. How ?

Solution :

