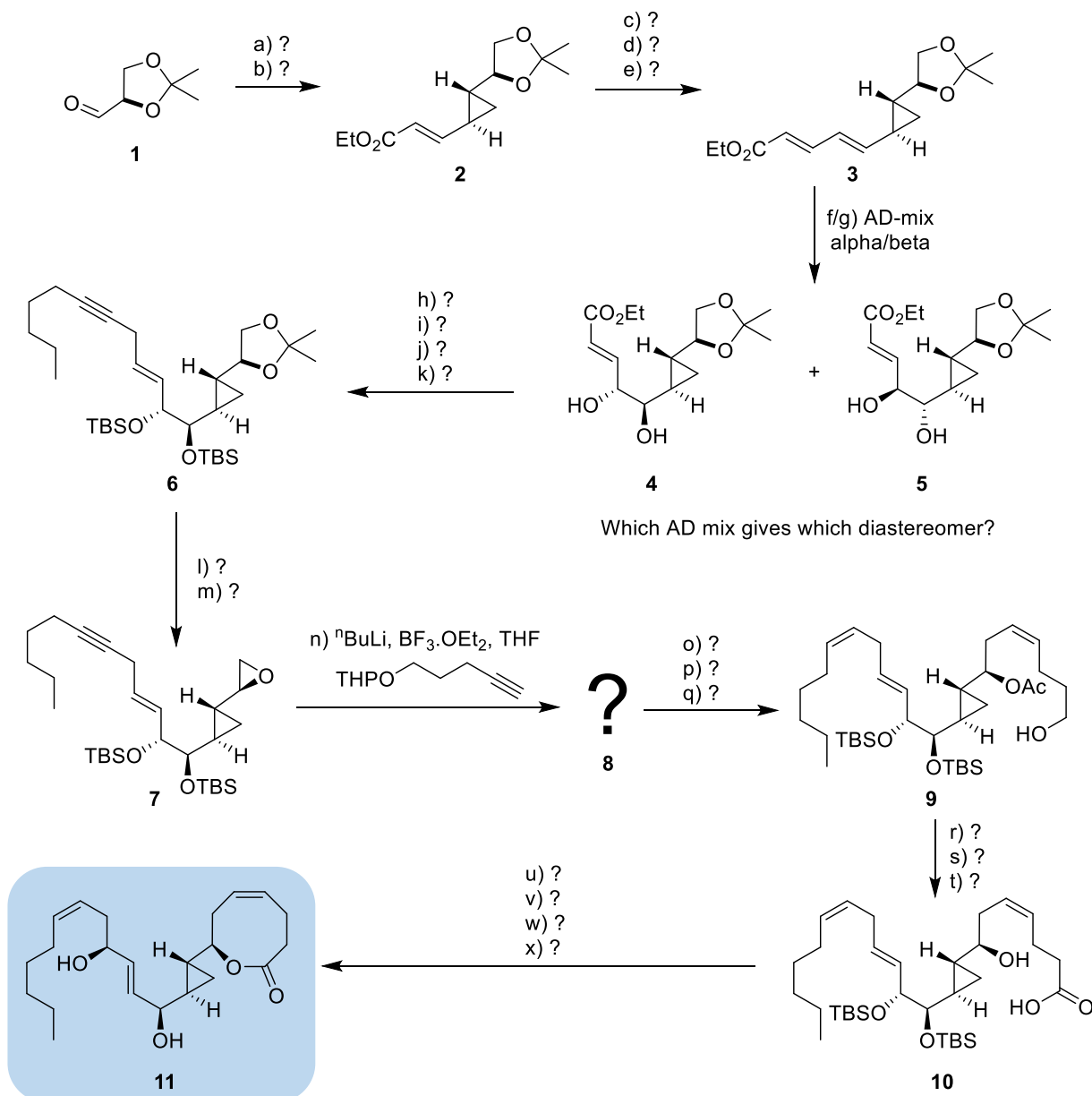


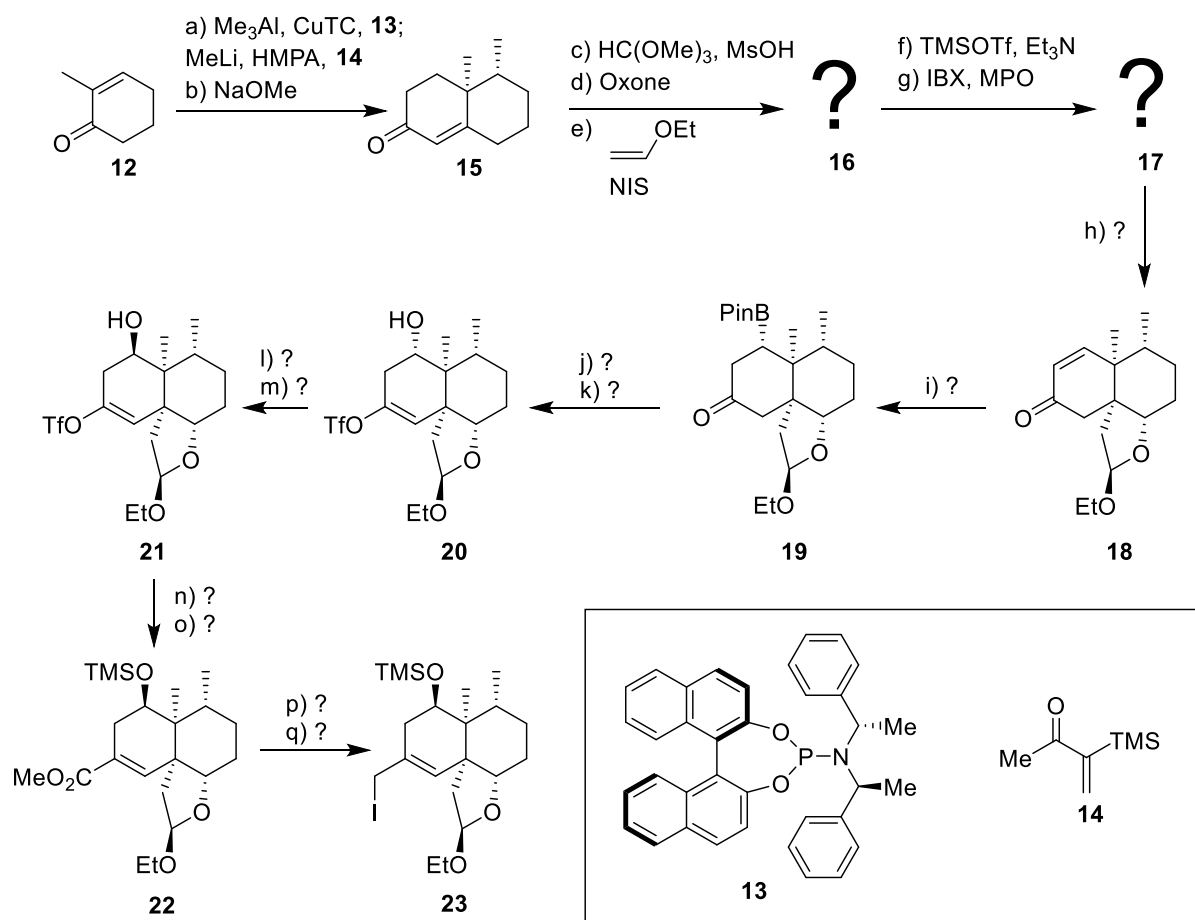
# Spivey Group Problems – February 2019

Fill in the missing reagents and structures, and draw the product(s) of each step. Draw the mechanism for each step, accounting for any aspects of selectivity observed. Provide the name of any named reactions.

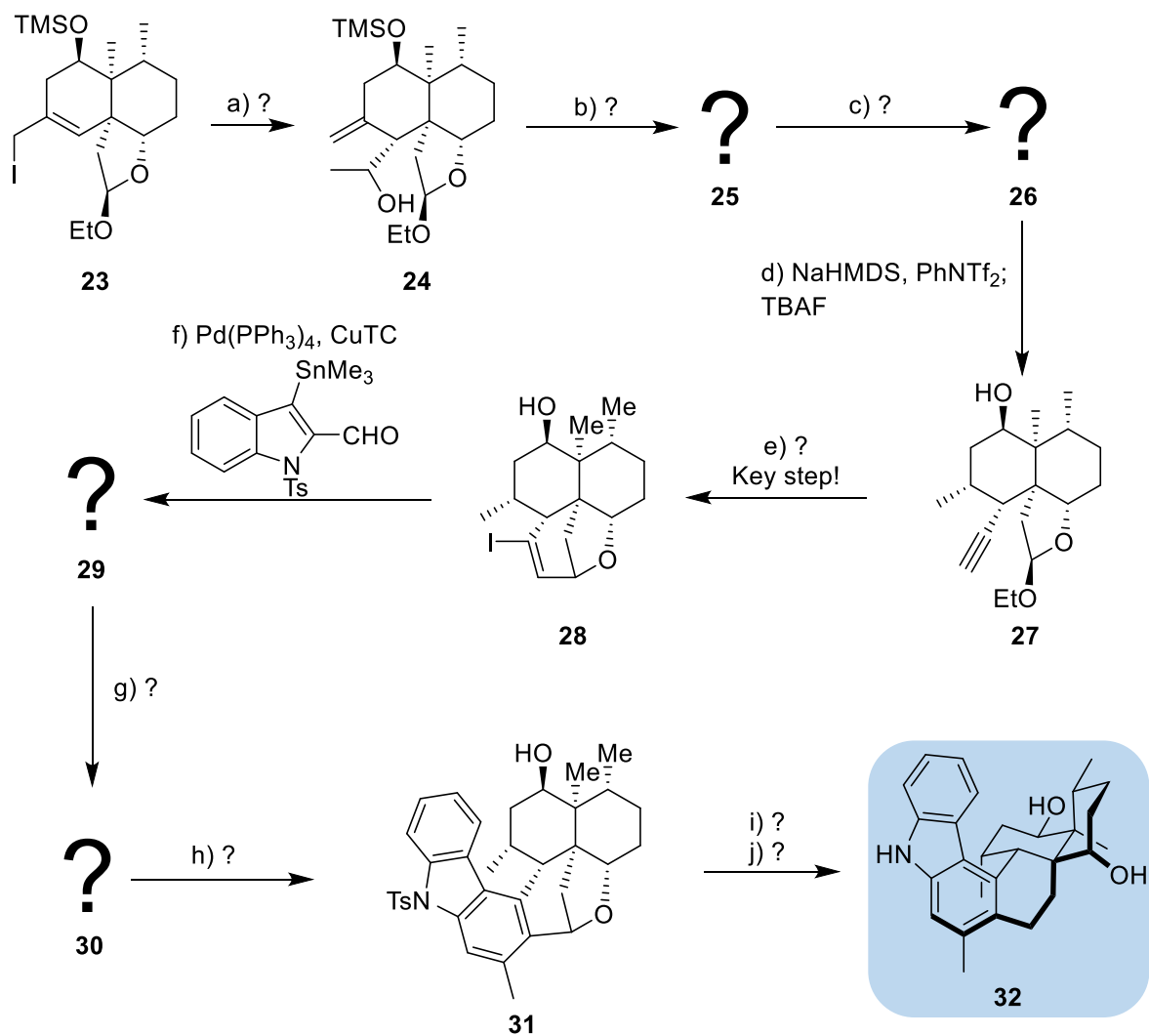
## 1. Enantioselective synthesis of Solandelactone E



2. a) Synthesis of a common intermediate of Aflavazole and 14-Hydroxyaflavinine:



2. b) Synthesis of Aflavazole from **23**:



## 2. c) Synthesis of 14-Hydroxyaflavinine:

