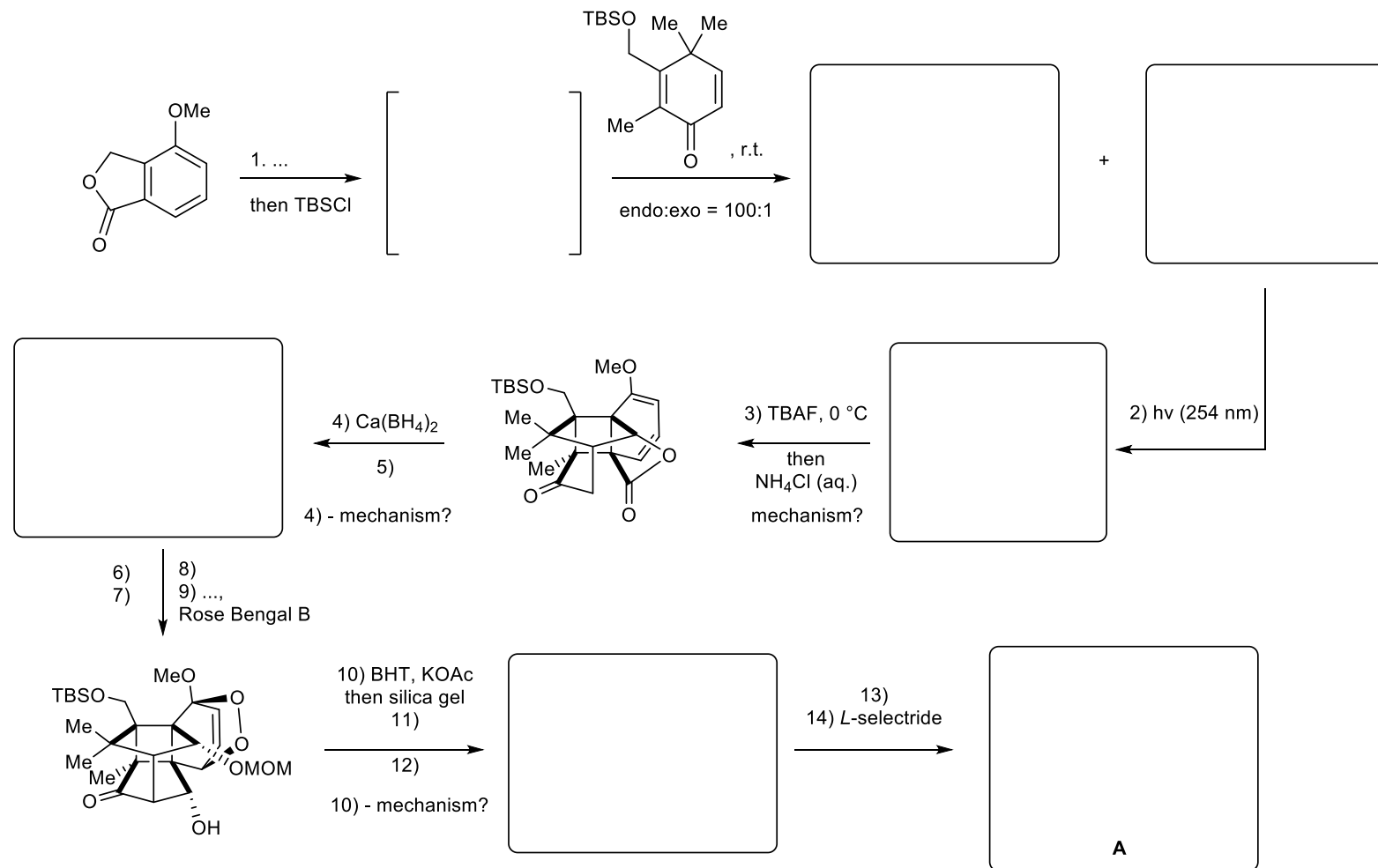
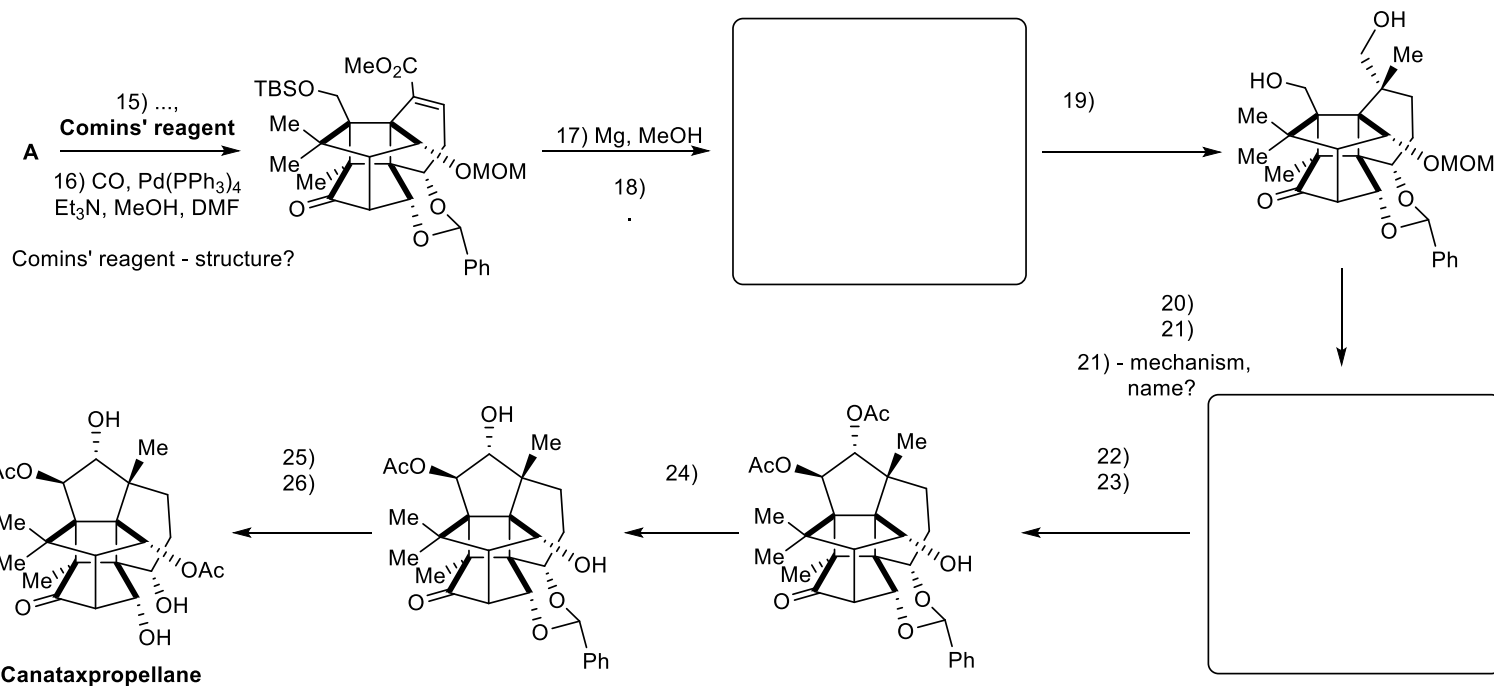


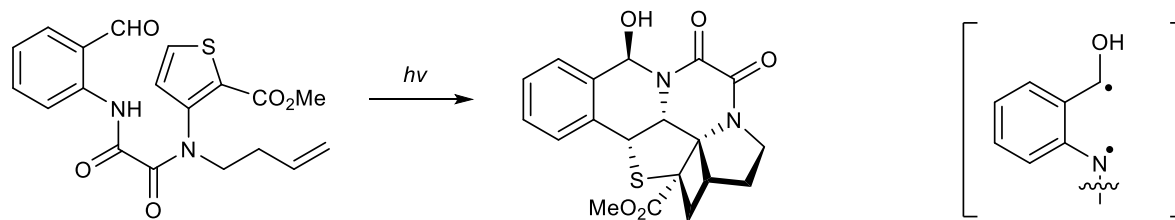
E205: Total synthesis of Canataxpropellane



[1] F. Schneider, K. Samarin, S. Zanella, T. Gaich, *Science* **2020**, *367*, 676-681; [2] D. S. Reddy, I. M. Novitskiy, A. G. Kutateladze, *Org. Lett.* **2023**, *25*, 1131-1135.



Provide the mechanism for the following transformation:



Hints: - this diradical intermediate is involved into reaction
 - reaction involves excited state intramolecular proton transfer (ESIPT) step