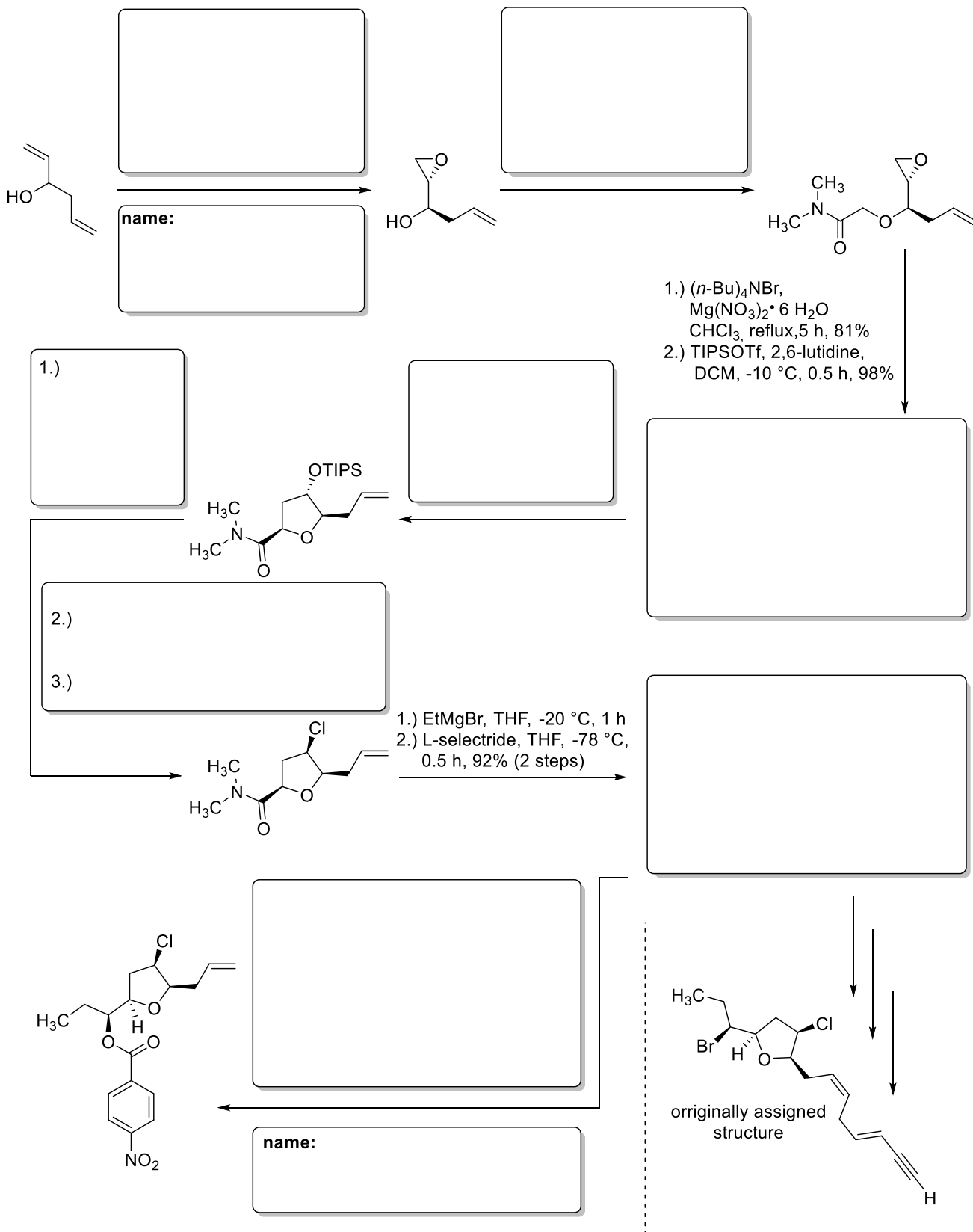
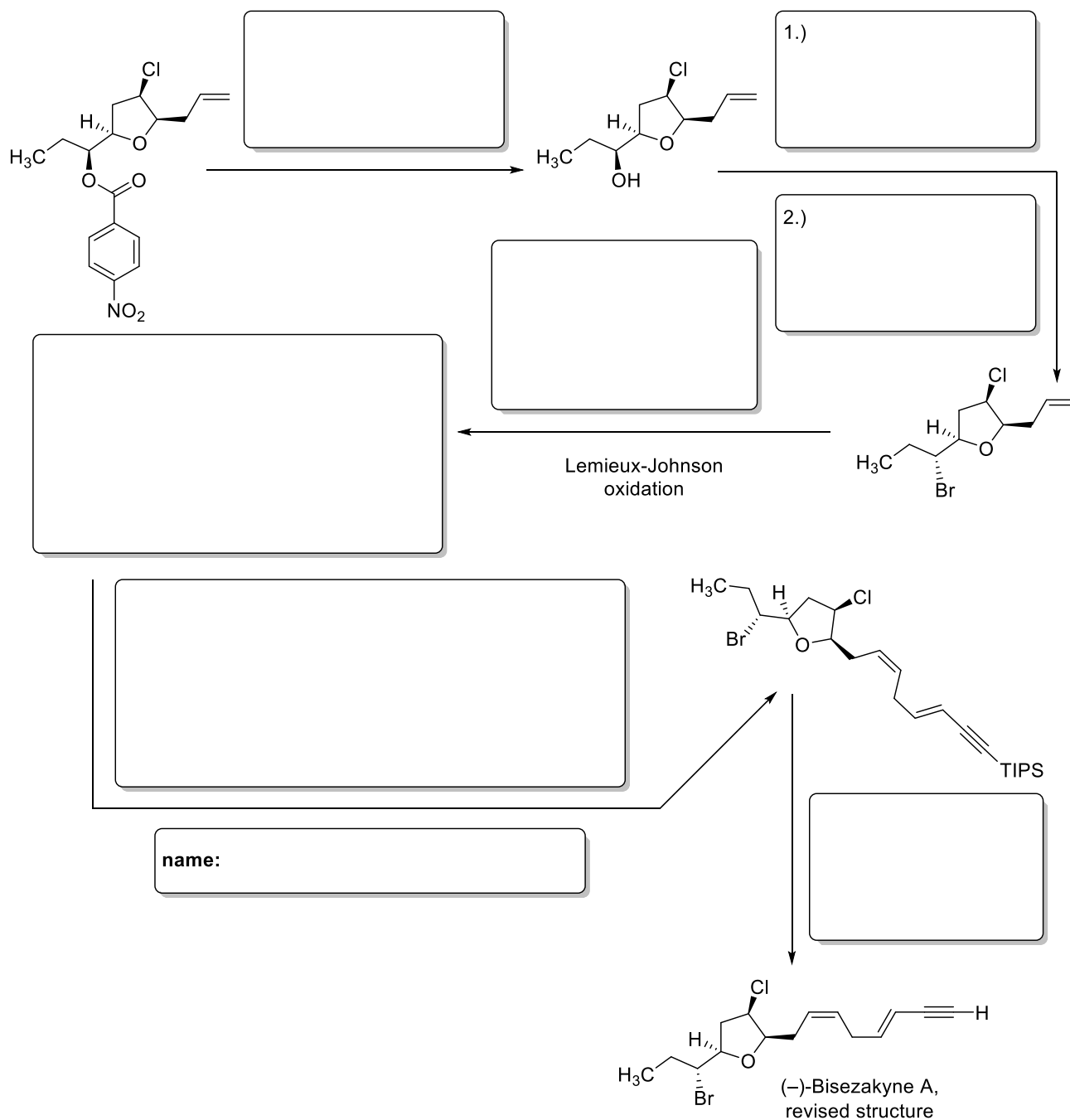


Substrate-Controlled Asymmetric Total Synthesis and Structure Revision of (-)-Bisezakyne A

I. Shin, D. Lee, and H. Kim, *Org. Lett.* **2016**, *18*, 4420–4423.





(-)-Bisezakyne A was first isolated in 1999 from an undescribed species of the red algal genus *Laurencia*. Based on spectroscopic studies, the stereochemistry depicted on page 1 was established. In the course of the work shown above, Kim and coworkers accomplished the first asymmetric total synthesis of this halogenated C₁₅ acetogenin. Comparing their synthetic sample with the one originally isolated, they figured that the stereochemistry of the bromine-bearing carbon had to be reversed. By preparing a respective synthetic sample and by comparing it to the isolated natural product, they were able to provide strong evidence for their structure revision.