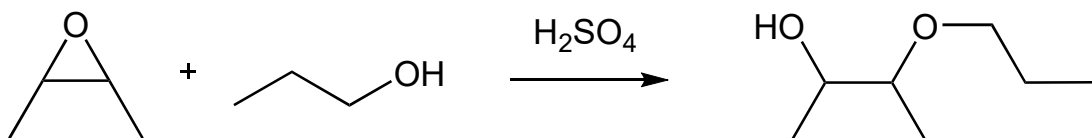


4A) (10 pts) Provide a complete mechanism for the following reaction. Pay close attention to details, including lone pairs, formal charges and the use of curved arrows.



4B) (4 pts) Why does the following synthesis fail? What is formed instead of the desired product?

