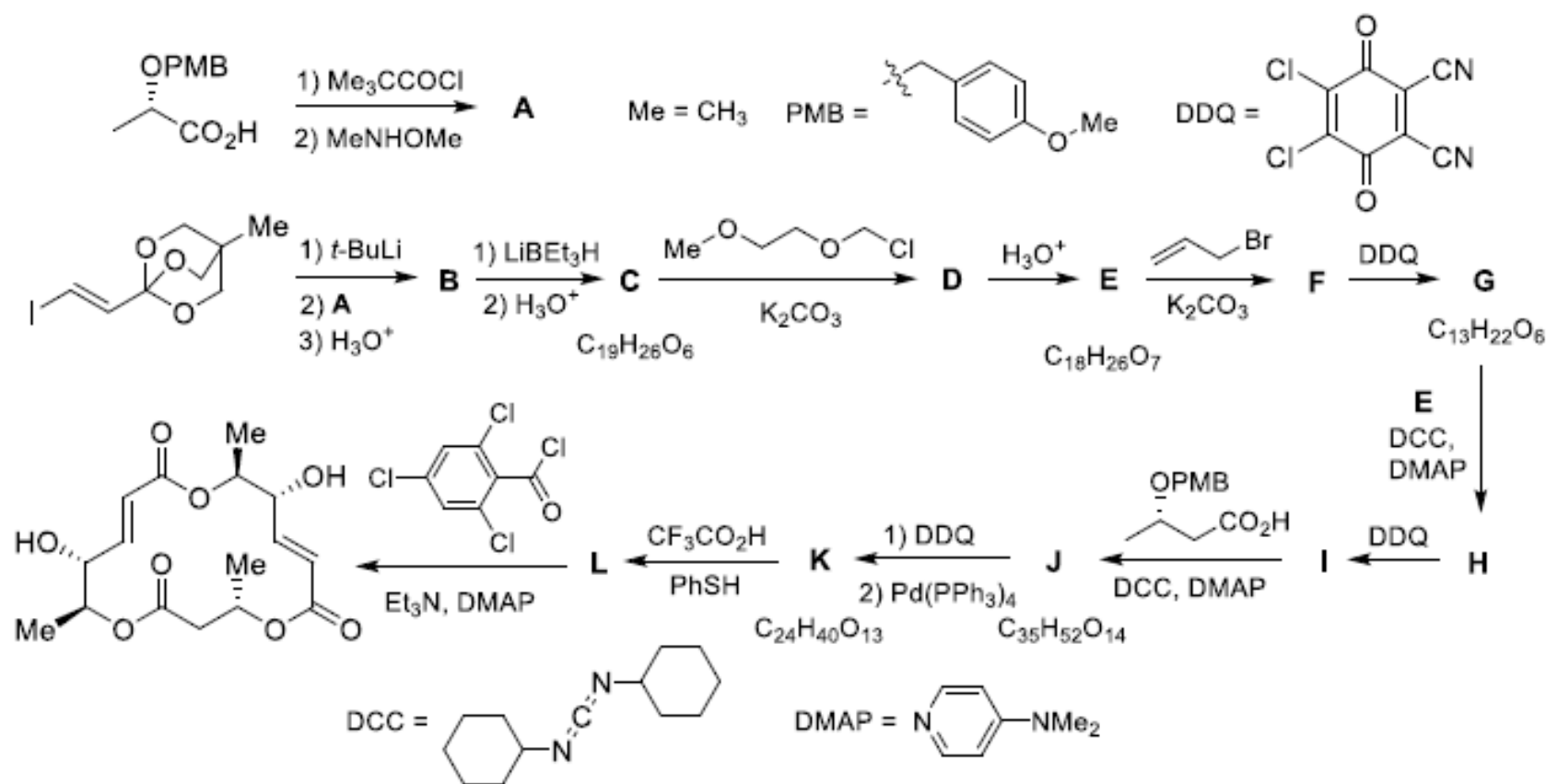


Tarea para entregar el martes 2 de abril. 2024

## Synthesis of large rings. The magic or routine work?

The synthesis of large rings is a challenging problem of the synthetic organic chemistry. On the contrary, Nature solves this problem efficiently. Thus, various fungus produce macrolactone polyketides. One of them, Macrophelide A, attracts attention as potent, orally bioavailable inhibitor of the interaction between cancer and endothelial cells. A number of syntheses of this molecule was reported. One of them was based on the utilization of lactic (2-hydroxypropionic) acid derivative according to Scheme below.



1. Decipher this scheme. Write down the structural formulae of compounds **A-L**.
2. Write down the IUPAC name of compound **E**.