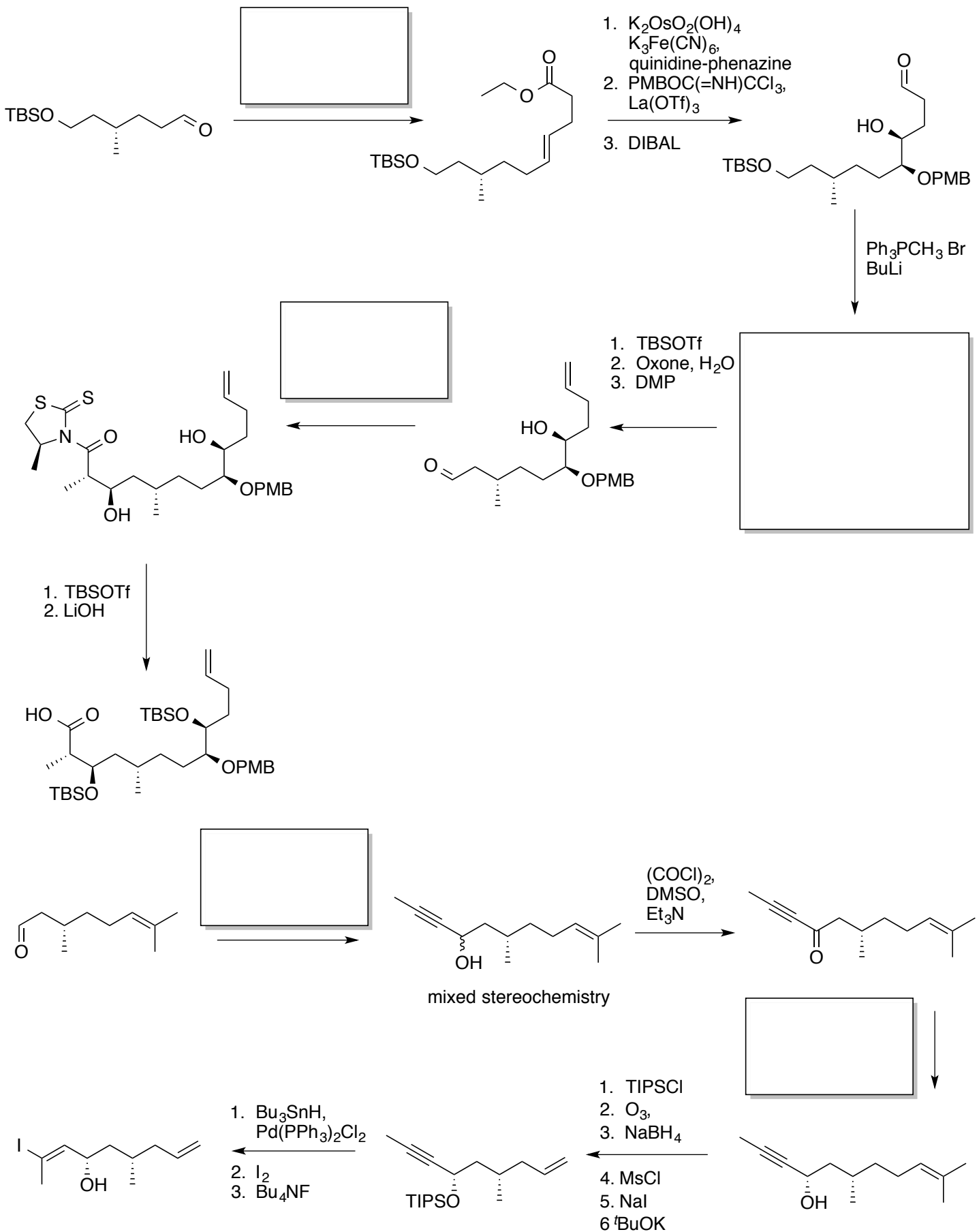
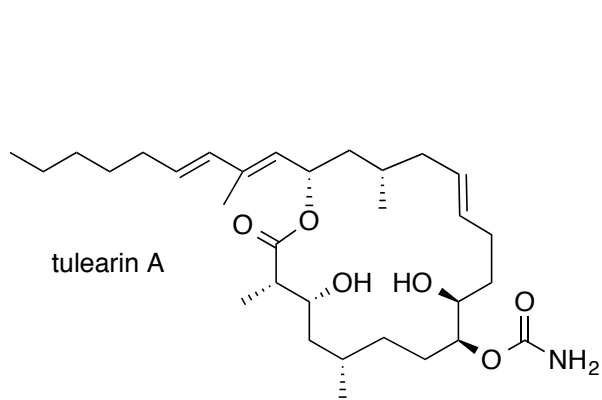
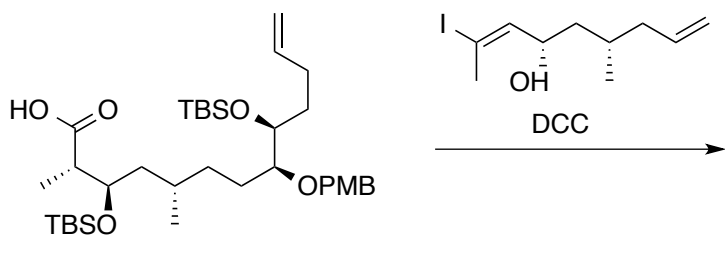


Synthesis of tularin A, Janine Cossy, ESPCI ParisTech, 2009
 Isolated from a Madagascar marine sponge; potent activity against leukemia cell lines.





1. DDQ
2. Cl_3CONCO
3. NaHCO_3
4. $\text{C}_5\text{H}_{11}\text{CH}=\text{CHSnBu}_3$
 $\text{Pd}_2(\text{dba})_3$
5. Bu_4NF

