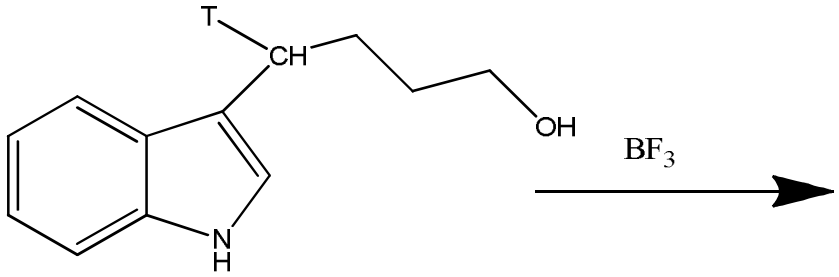
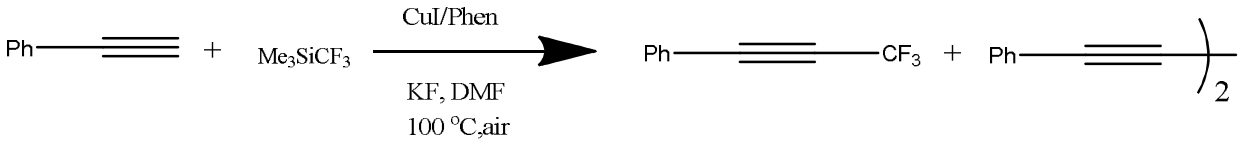
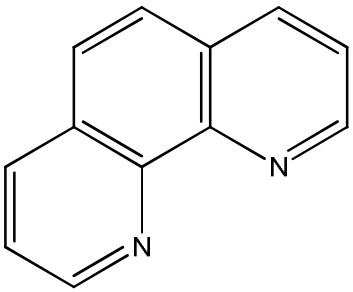
Questions for Mar 22 Joint Group Meeting

Q1, the following 3-substitued indole has been labeled with tritium (T) at the designated position. Please propose product(s) and mechanism of this reaction. Hint: T does not vary reactivity in any form. It is solely there to differentiate CH_2 groups.



Q2, Propose a mechanism for the following Copper mediated trifluoromethylation



Note: Phen is 1,10-Phenanthroline: