

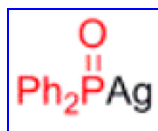
Joint Group Meeting

Sushital Jana

1. Propose a catalytic cycle for the formation of Phosphorated Fluorene Derivatives **4**:

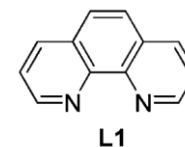
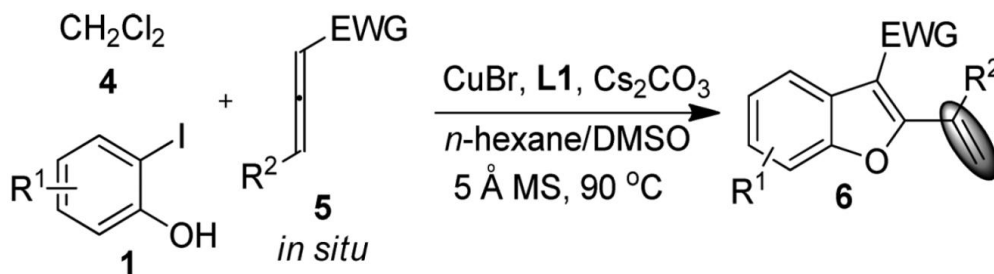


Hints: Active catalyst is (catalytic cycle)

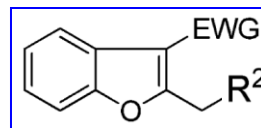


; $\text{Zn}(\text{NO}_3)_2$ is the source of NO_3^- **only** (Zn^{2+} doesn't involve in the

2. Propose catalytic cycles for the formation of 2-Vinylbenzofurans **6** (EWG = -COR):



Hints: Involves two catalytic cycles, CuL_1^+ is the active catalyst for both the cycles; Product from the first catalytic cycle is



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