1

2

R = H *

 $R = CO_2Me$

* [another pass]

$$Cu \xrightarrow{\text{(I)}} \frac{\text{TBHP or O}_2}{\text{Cu}} \leftarrow Cu$$

5

*Step 2
$$AuCl(PPh_3) + AgSbF_6 \longrightarrow Au(PPh_3)(SbF_6) + AgCl$$

$$MeO \longrightarrow N\oplus NPhth$$

$$O = [Au]$$

$$MeO \longrightarrow NPhth$$

$$O = [Au]$$

$$NPhth O = [Au]$$

$$NPhth O = [Au]$$

*Another path