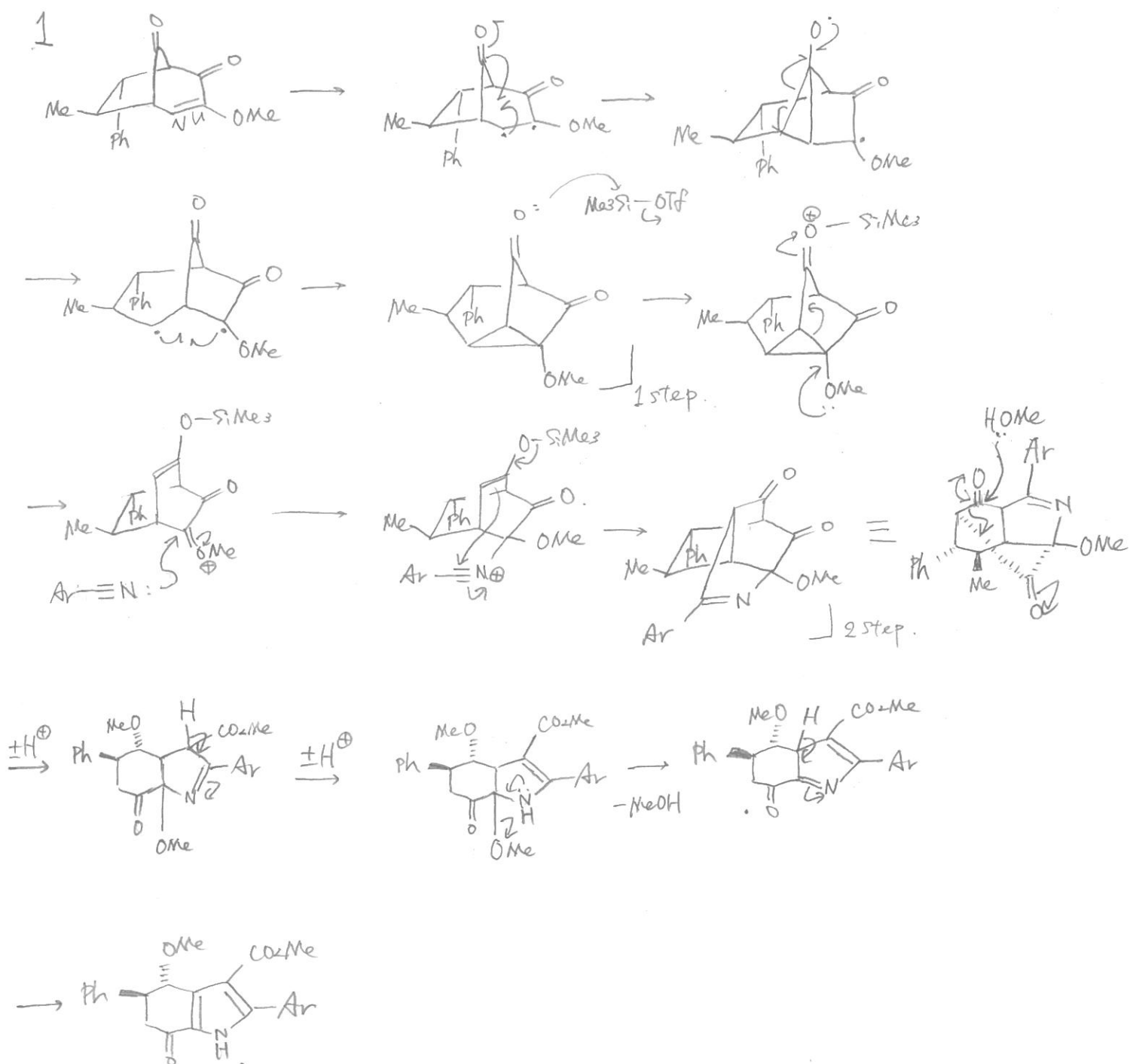
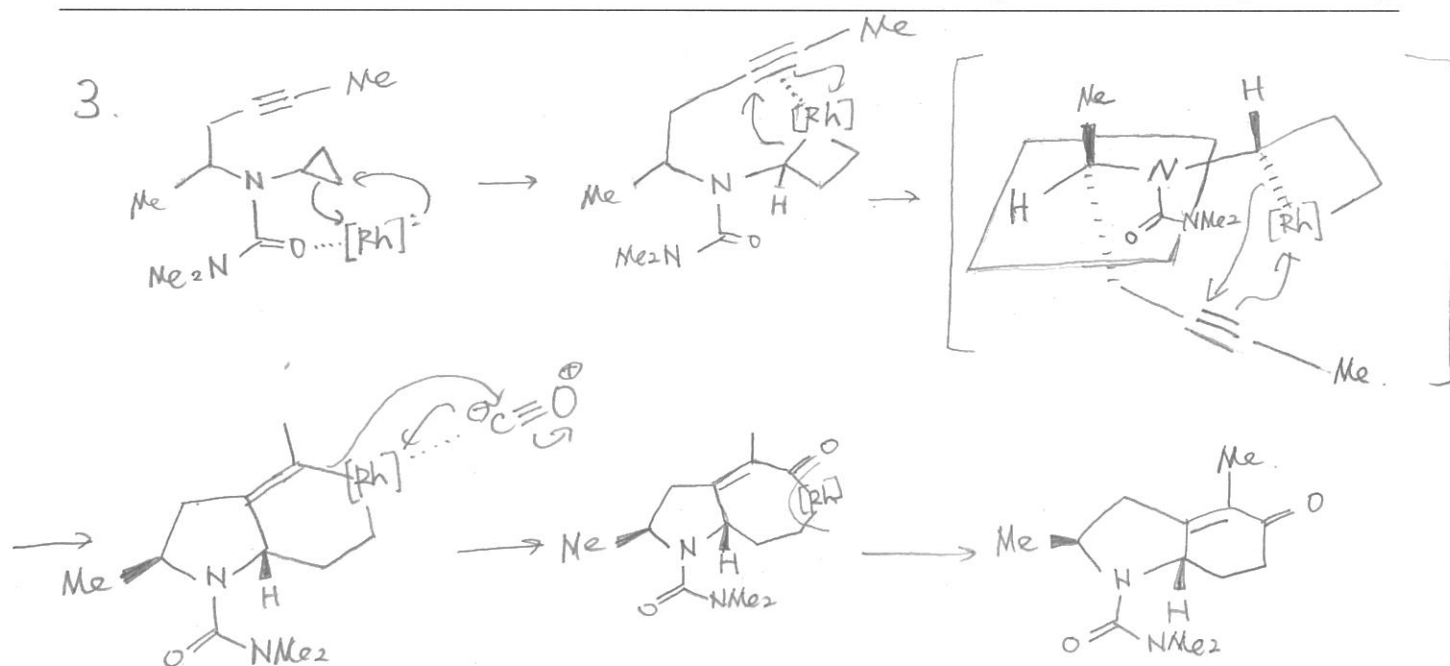
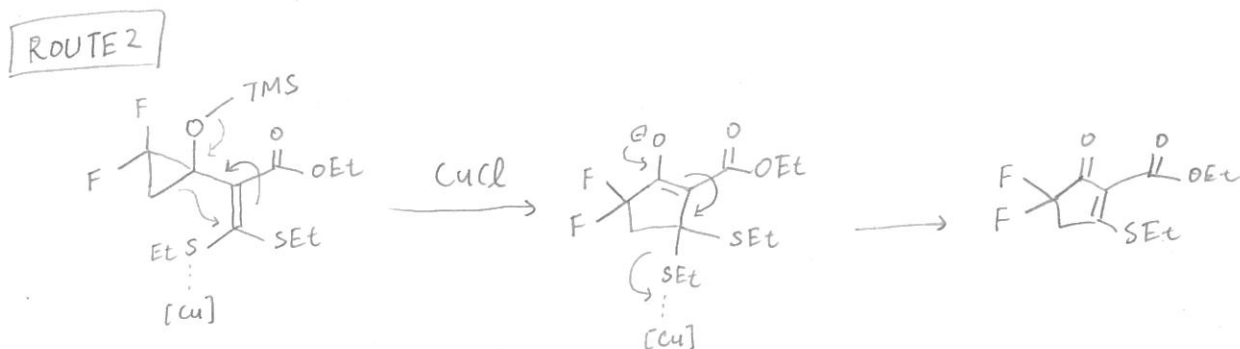
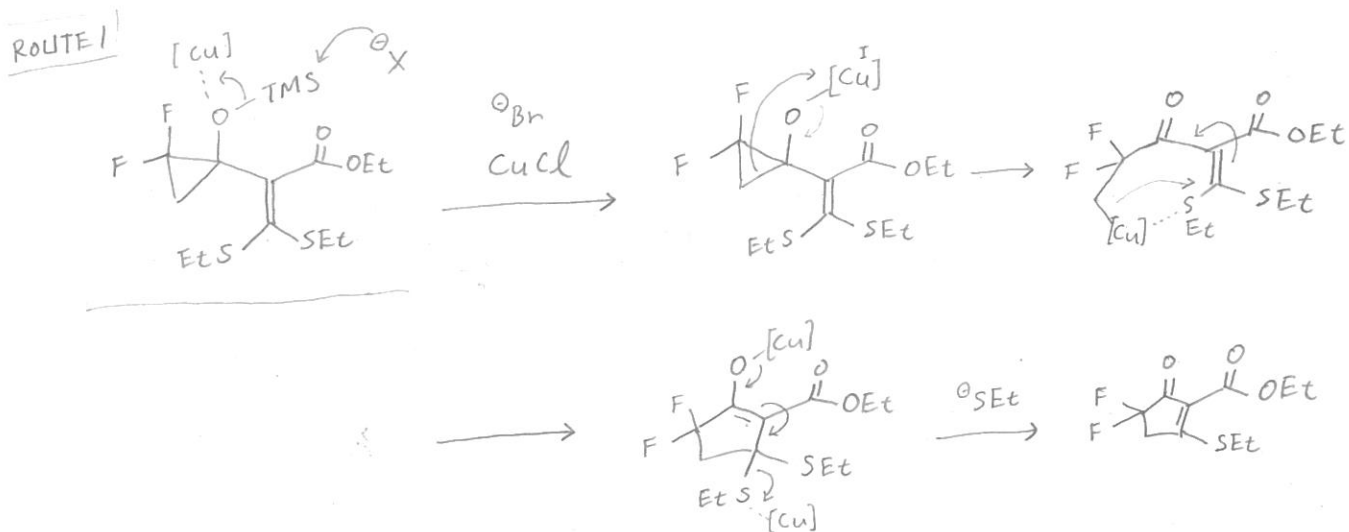
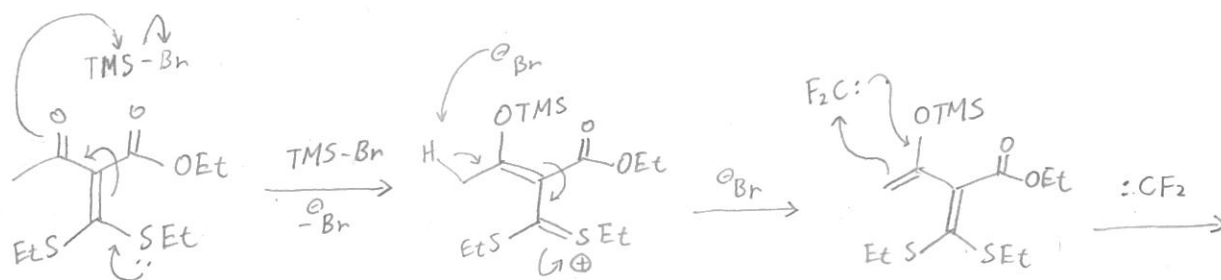
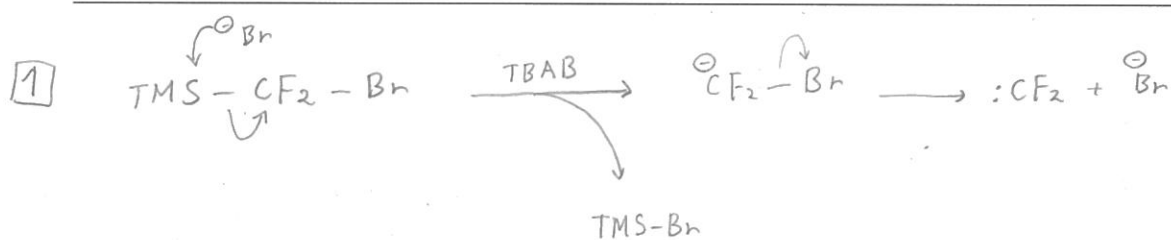
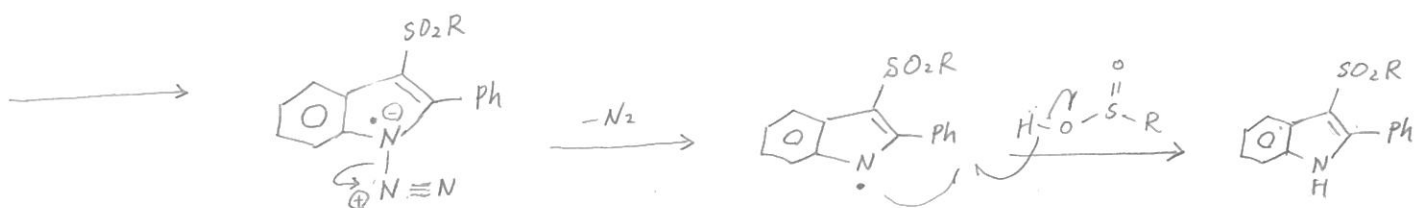
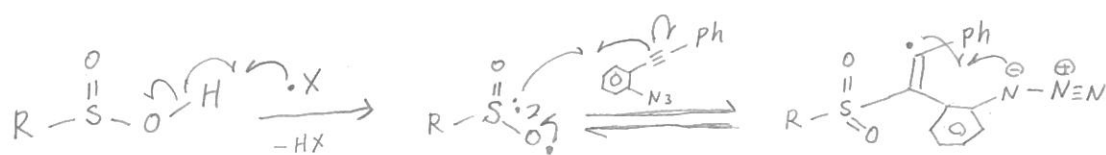






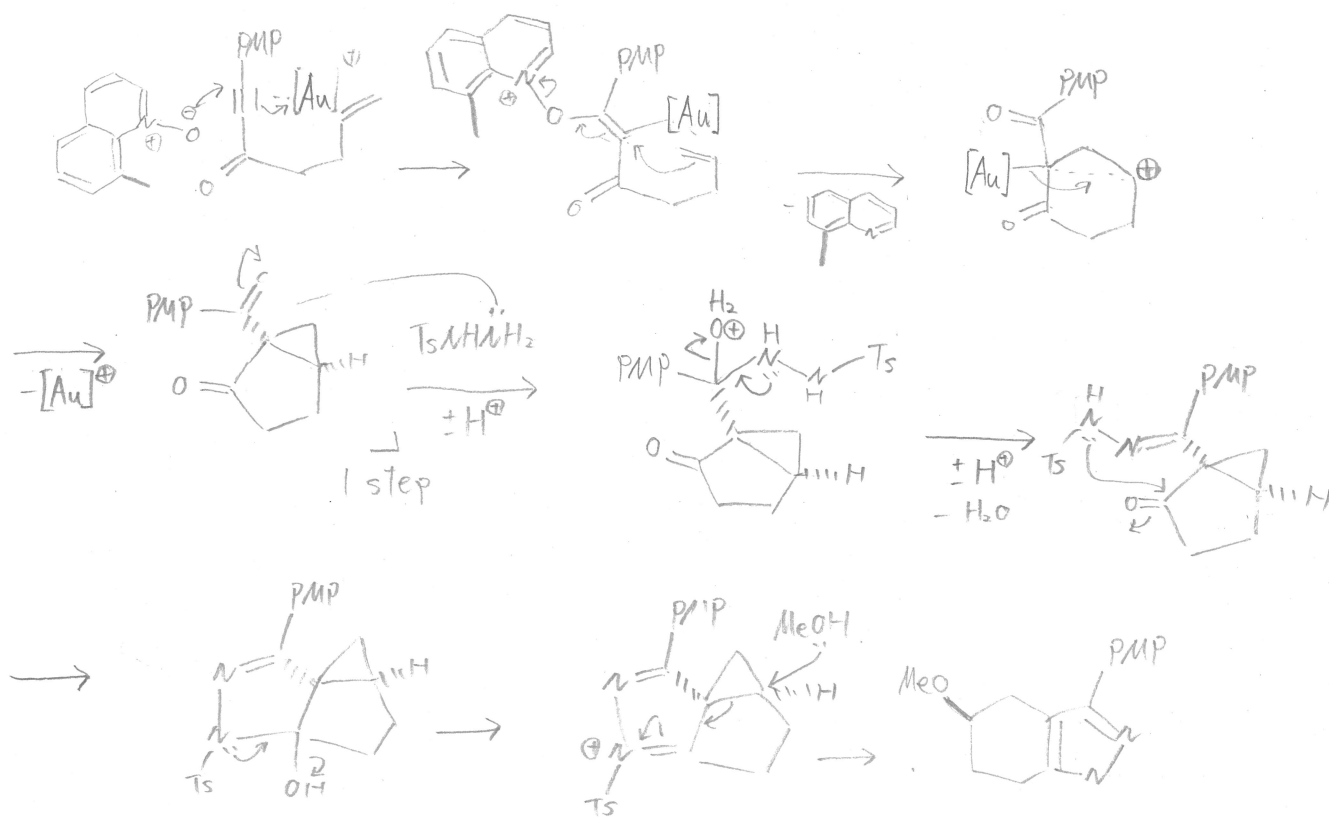




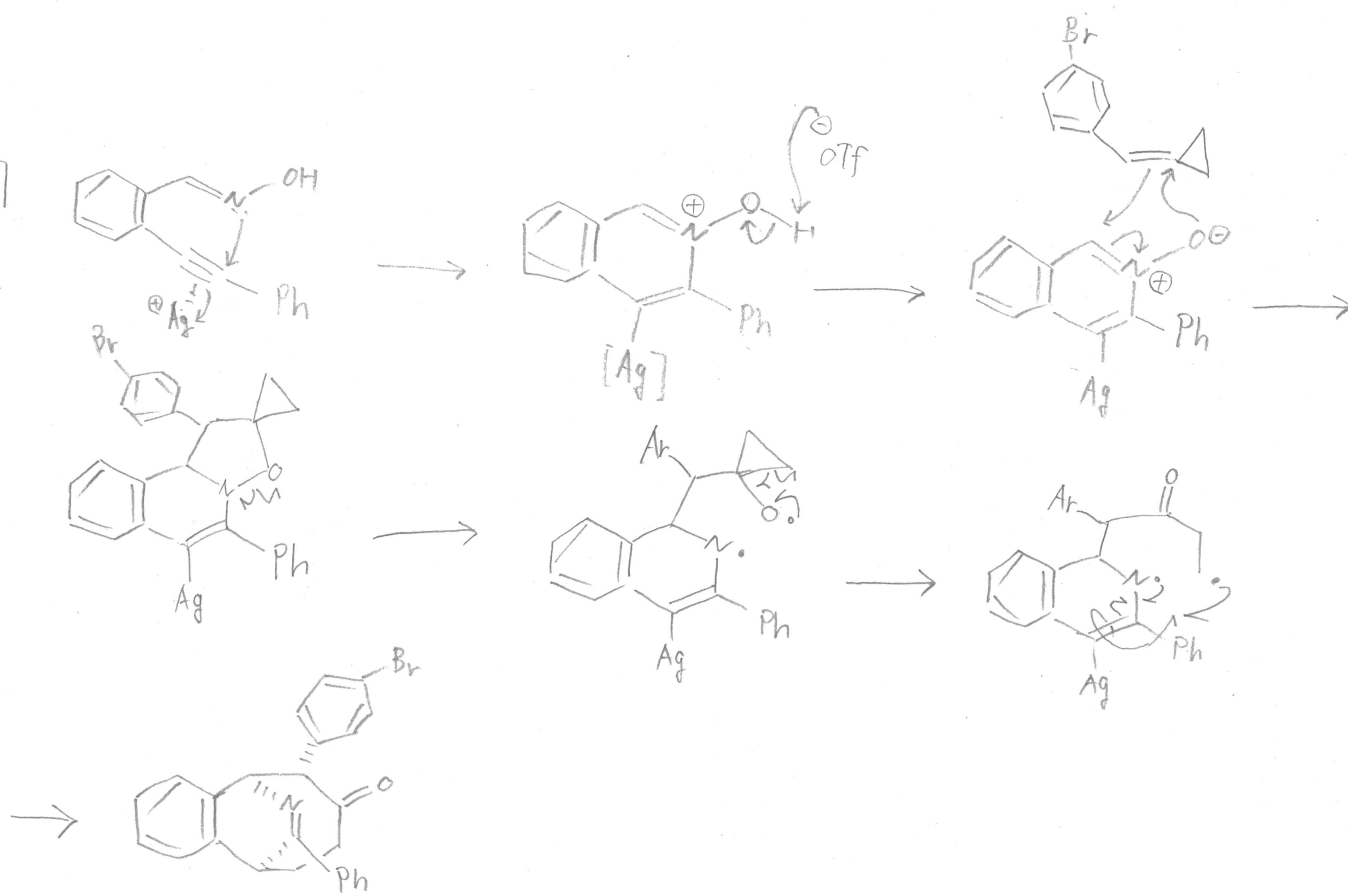
Handwritten chemical reaction scheme showing the synthesis of a 1,2,3,4-tetrahydronaphthalene derivative. The scheme involves several steps:

- Starting material: A 1,2,3,4-tetrahydronaphthalene derivative with a hydroxyl group and a phenyl group.
- Reaction with AgOAc to form a silver salt intermediate.
- Reaction with TMS-N_3 to form a trimethylsilyl azide intermediate.
- Reaction with BiCl_3 to form a bismuth salt intermediate.
- Reaction with N_3^- to form a diazo intermediate.
- Reaction with Pd(OAc)_2 to form a palladium complex intermediate.
- Reaction with AcO^- to form a palladium complex intermediate.
- Final product: A 1,2,3,4-tetrahydronaphthalene derivative with a phenyl group and a methyl group.

1



2



3

