

**B.Sc. Semester-VI
Group-A / DSE-4
Organic Synthesis**



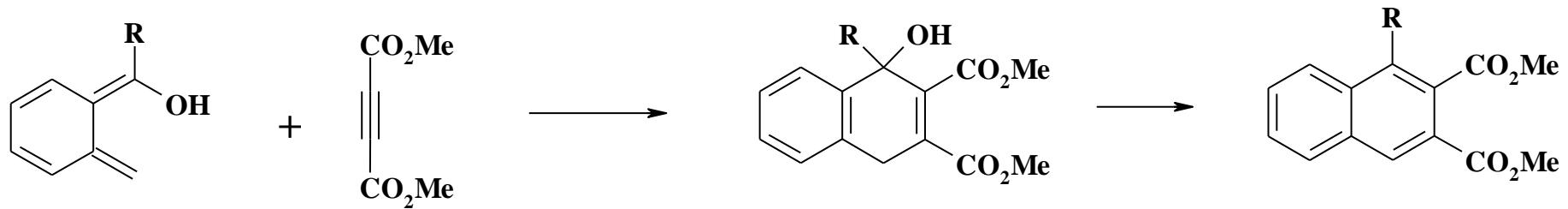
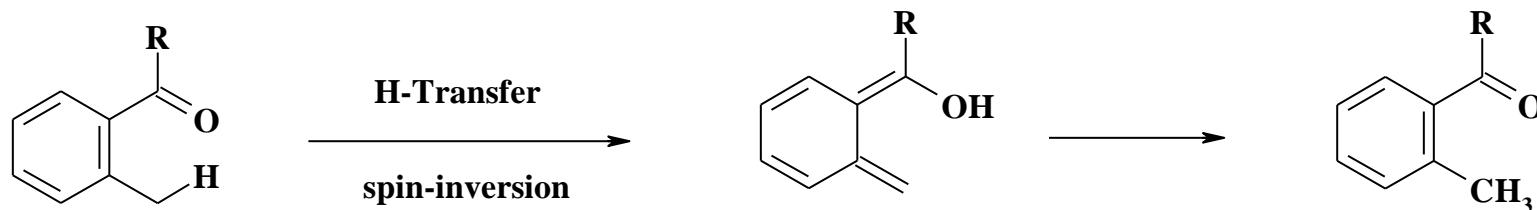
III. Photochemistry

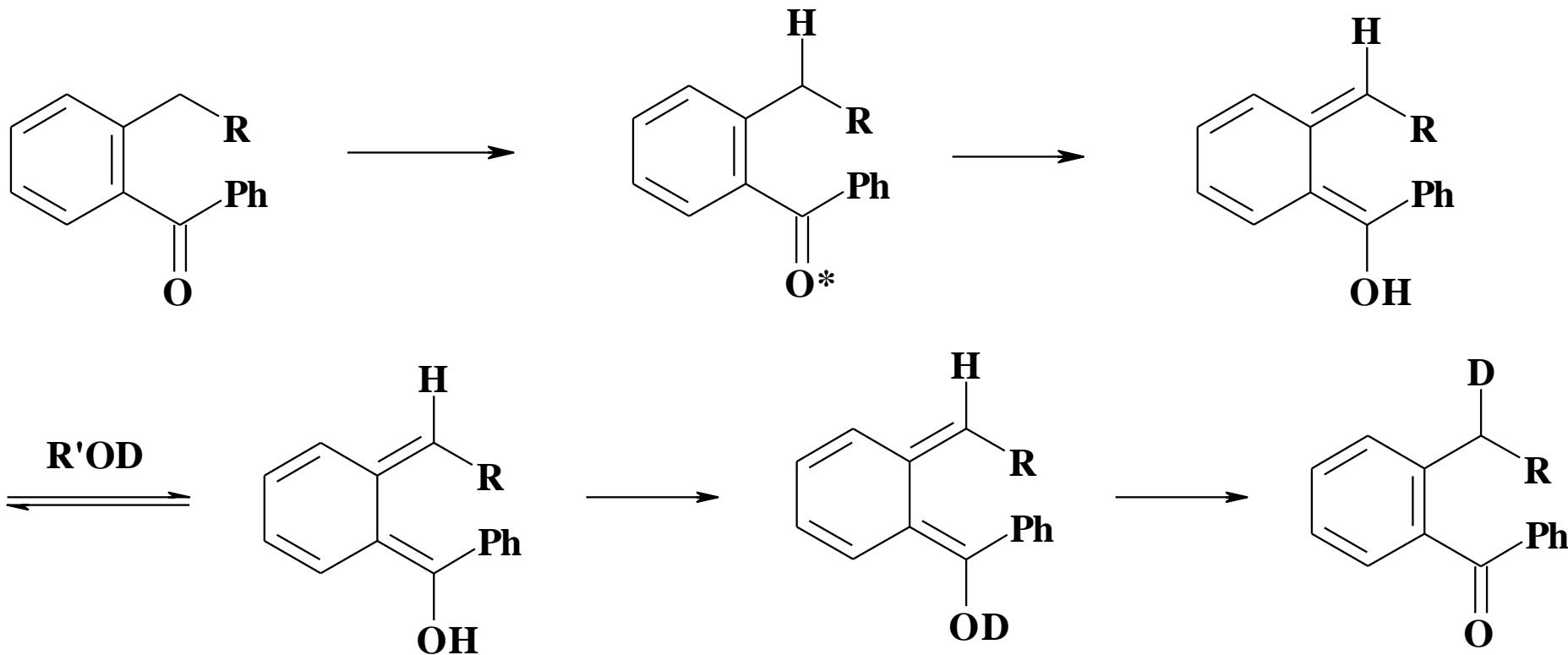
**8. Photoenolisation, Norrish Type II Reaction
Involving 1,6 and Longer Hydrogen Transfer**

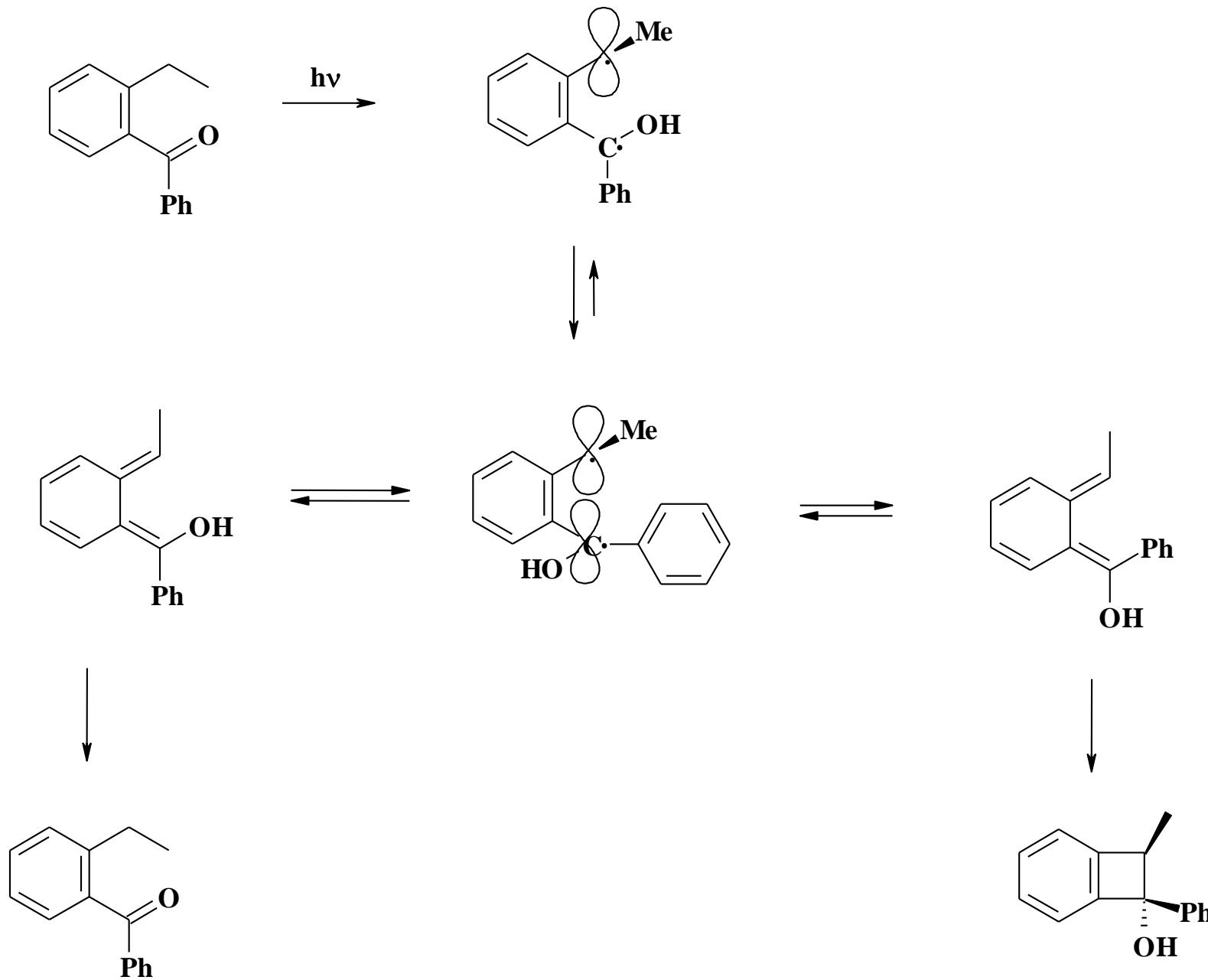


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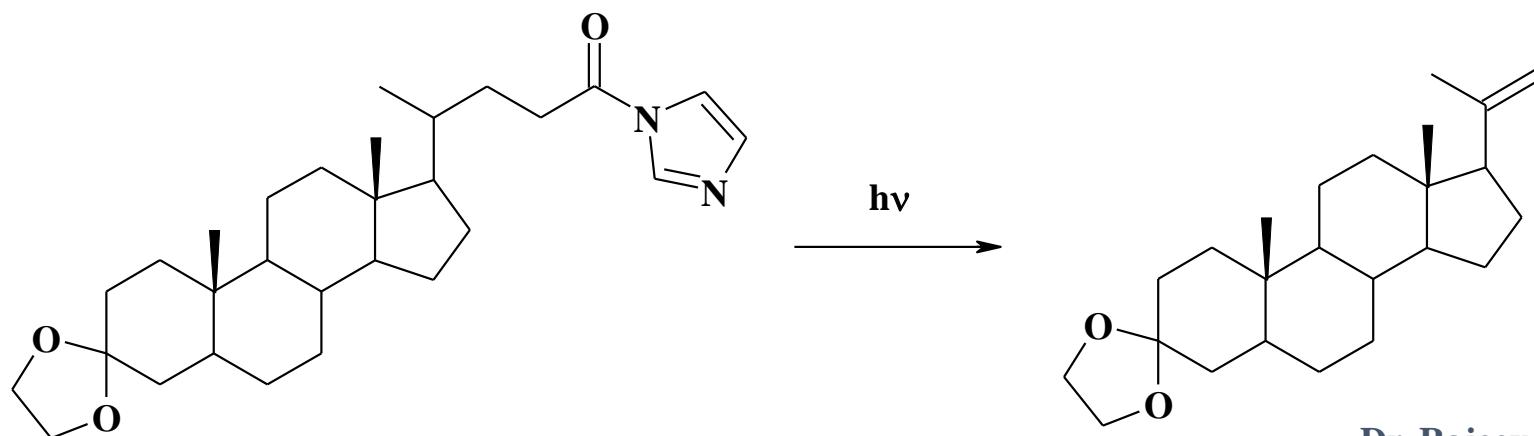
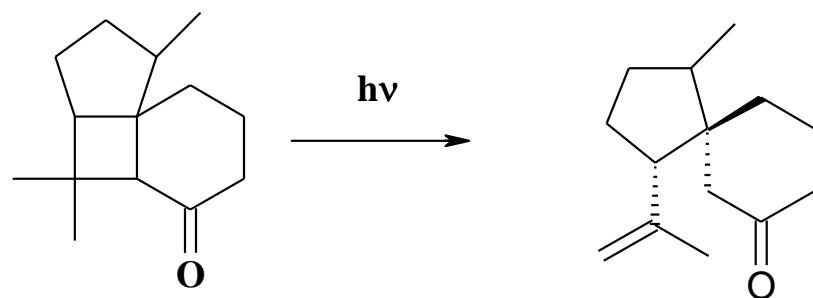
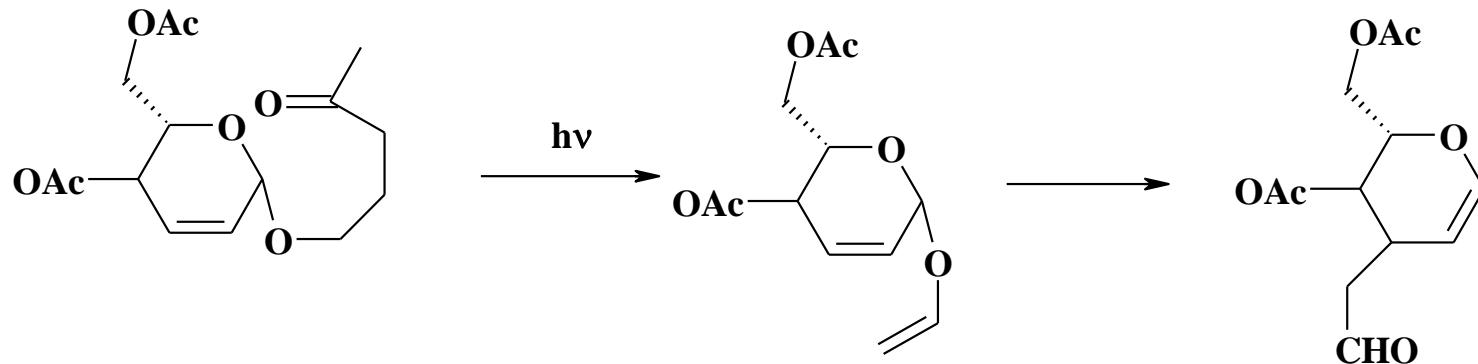
Photoenolization

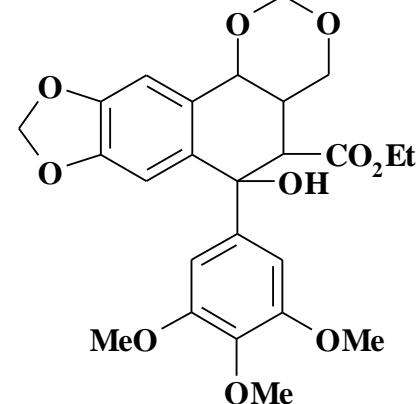
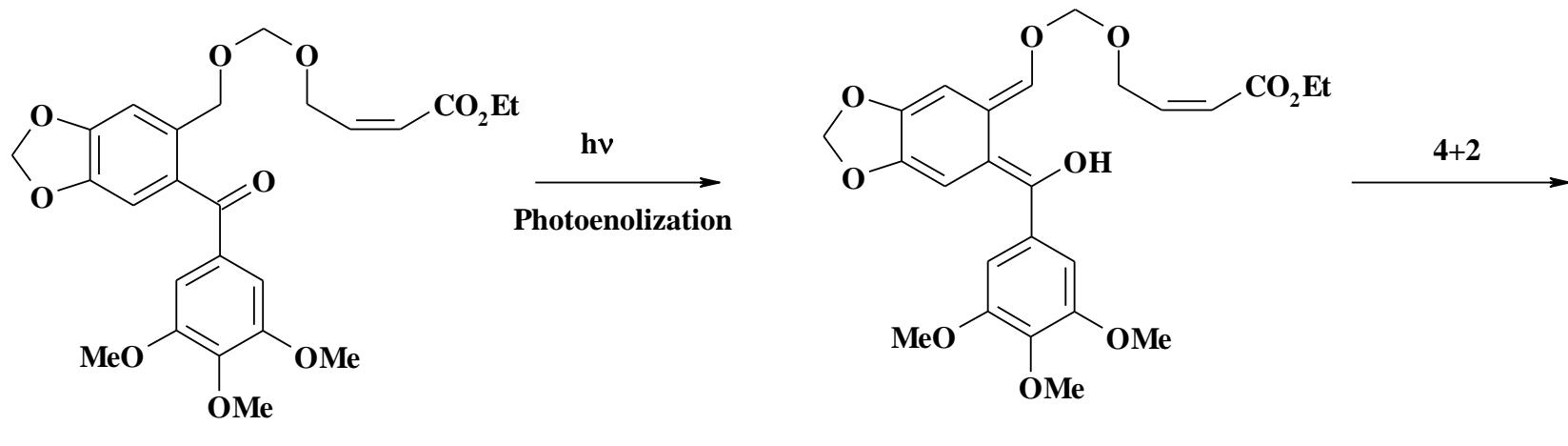
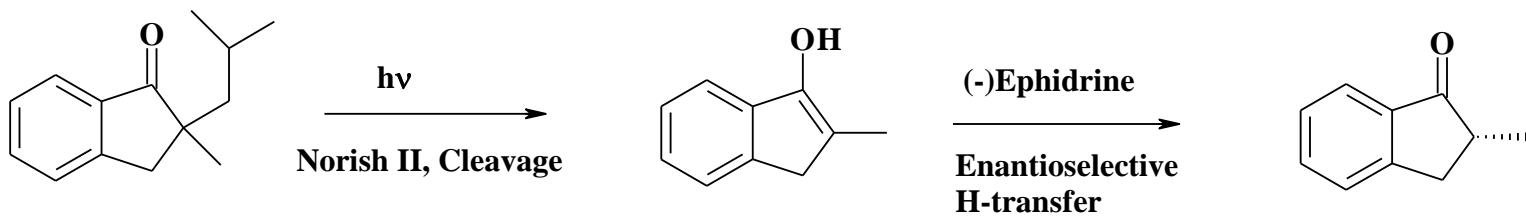






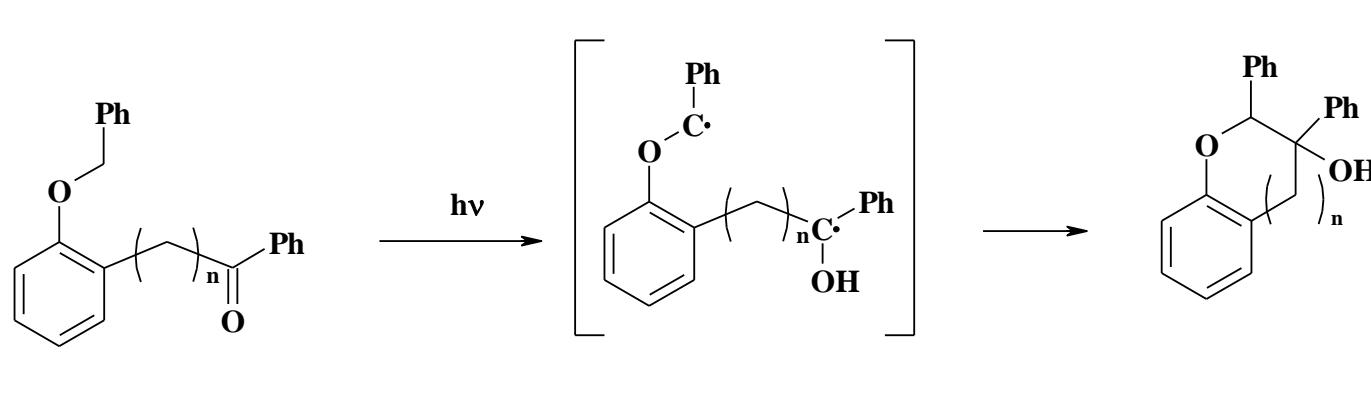
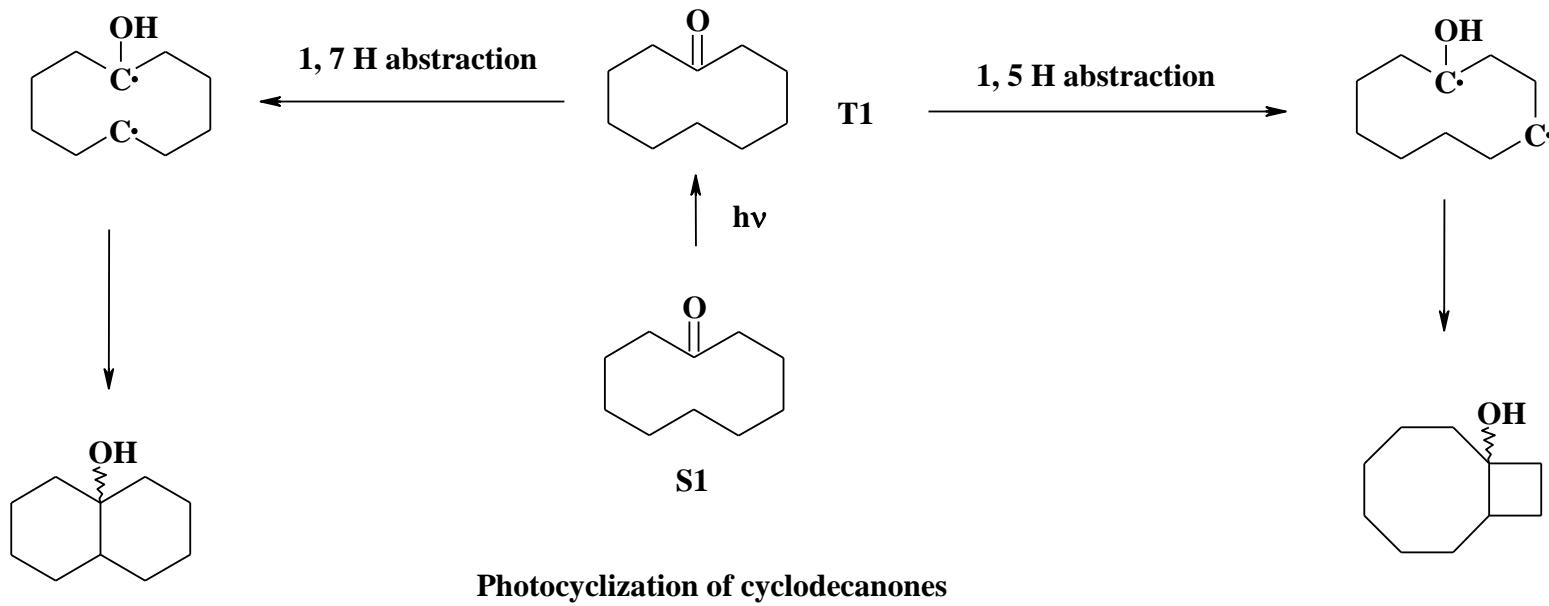
Synthetic applications



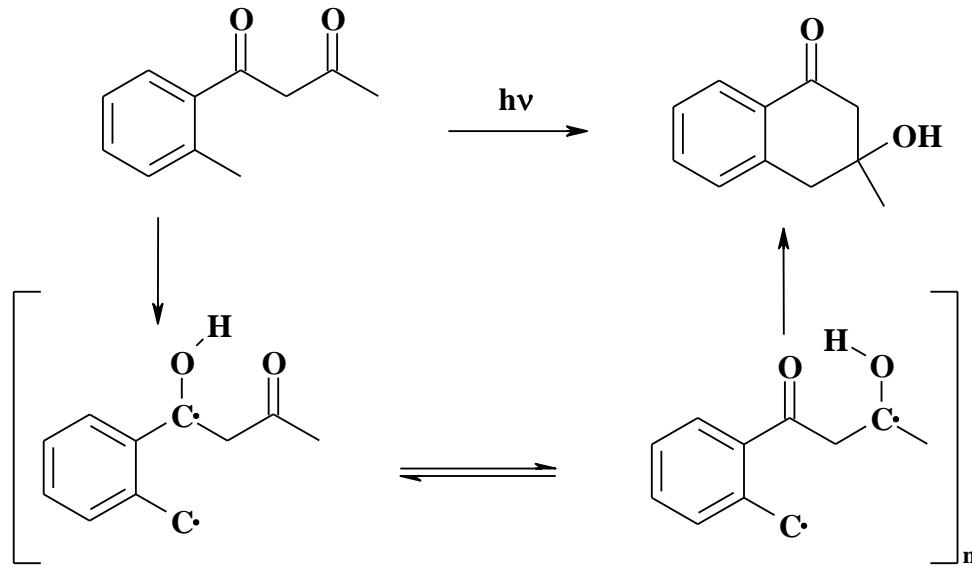


Podophyllotoxin derivative

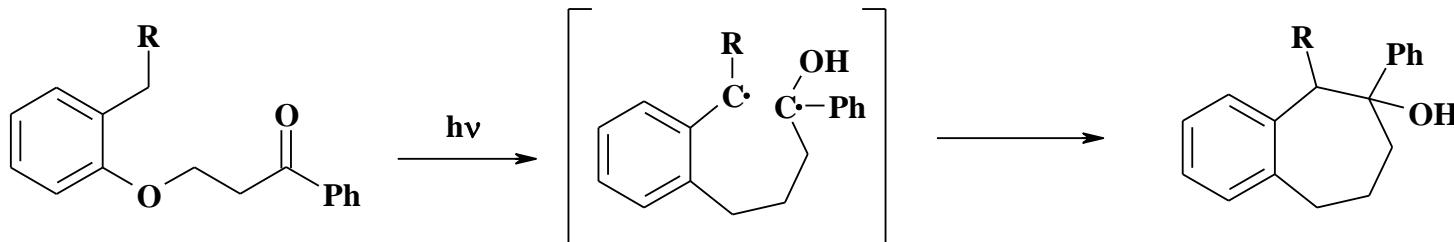
Norish type II process involving 1,6 and greater H transfer reactions



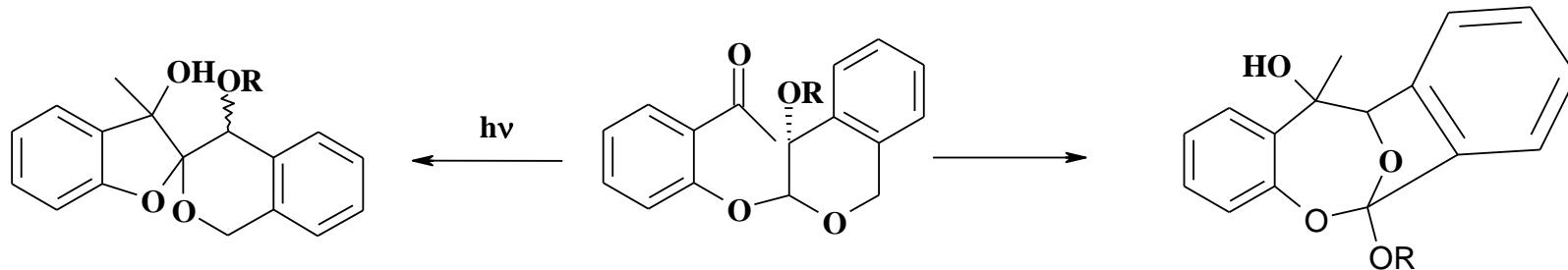
photocyclization of α -[*o*-(benzoyl) phenyl] acetophenone



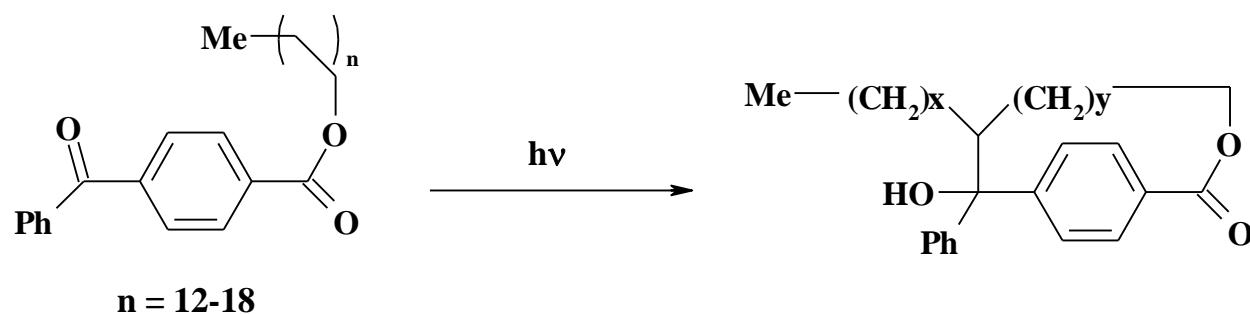
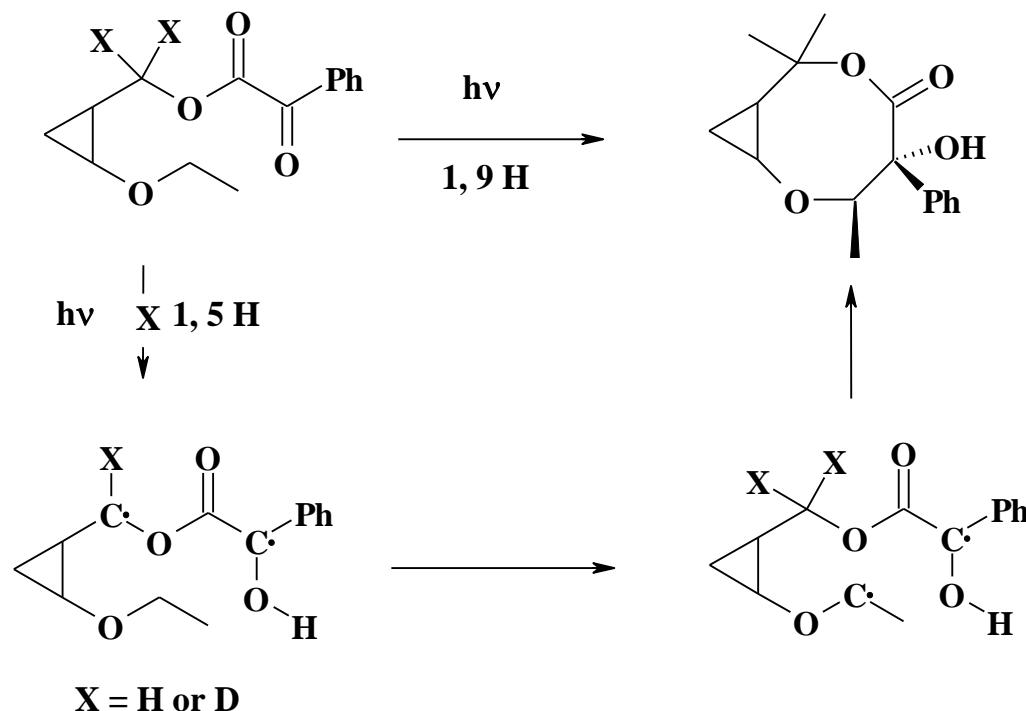
photocyclization of *o*-methylphenyl 1,3-diketone

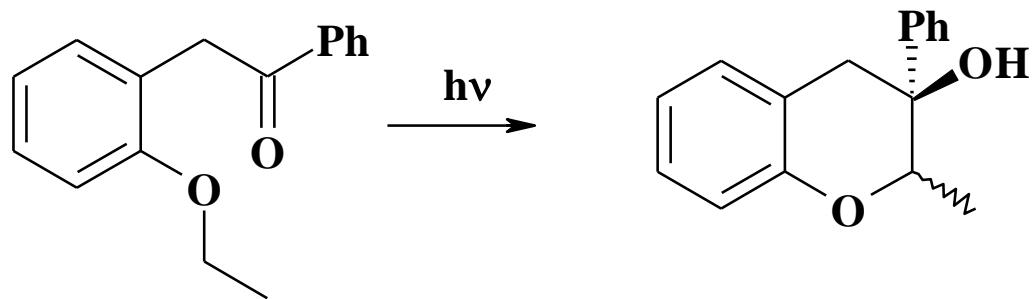
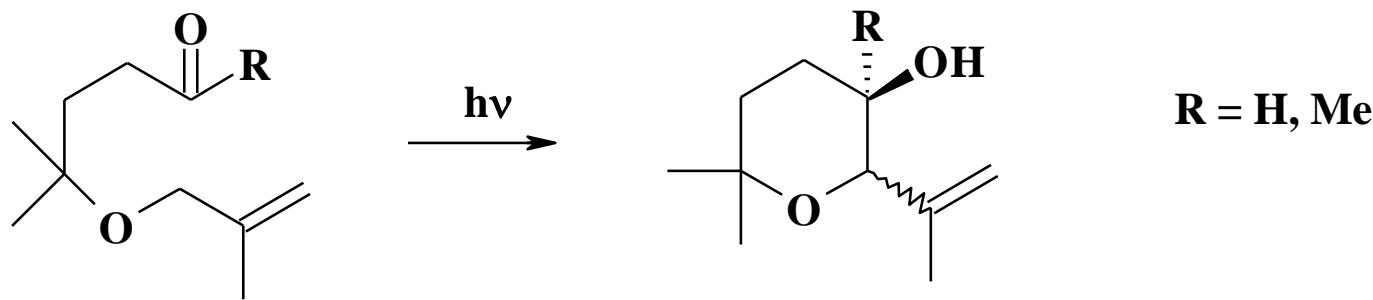


photocyclization of *o*-benzyl substituted ketones

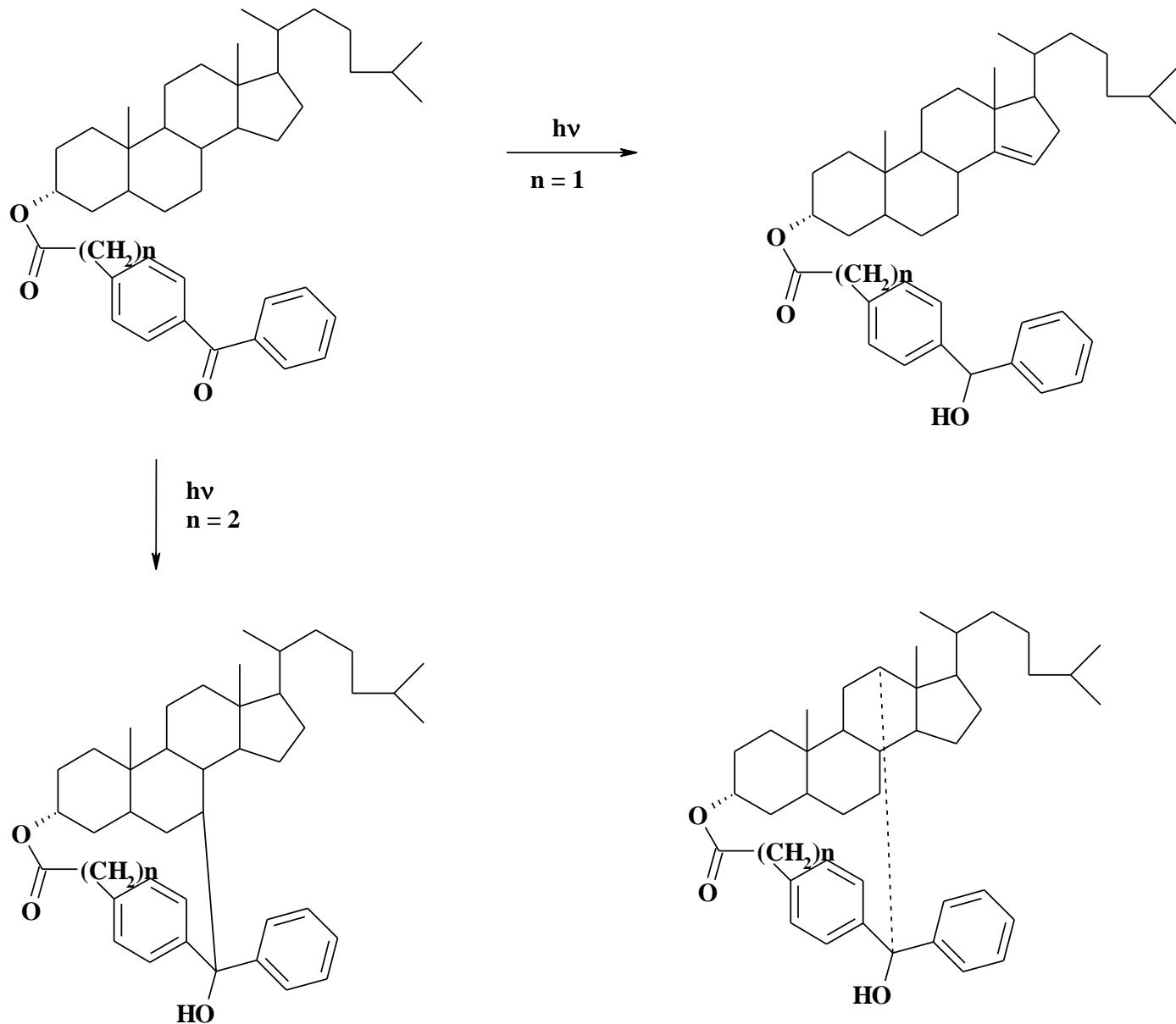


Long distance H abstraction



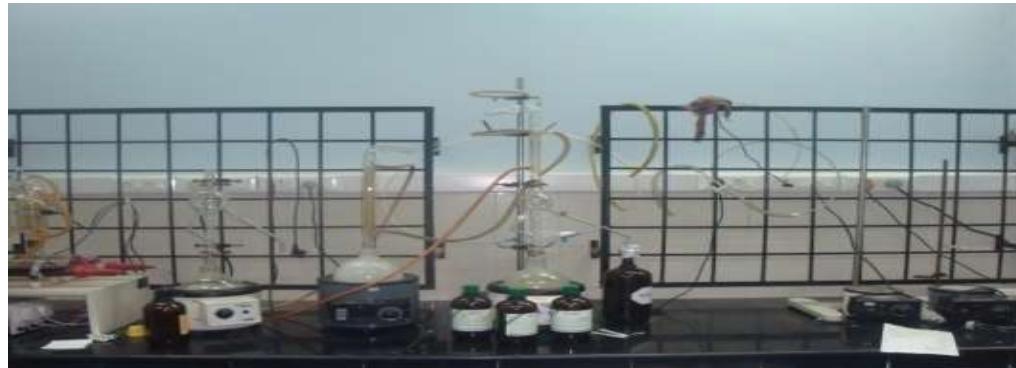


Photochemical synthesis of tetrahydropyran-3-ols and benzopyranols



Remote oxidation and photocyclization of steroids

Thank You



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