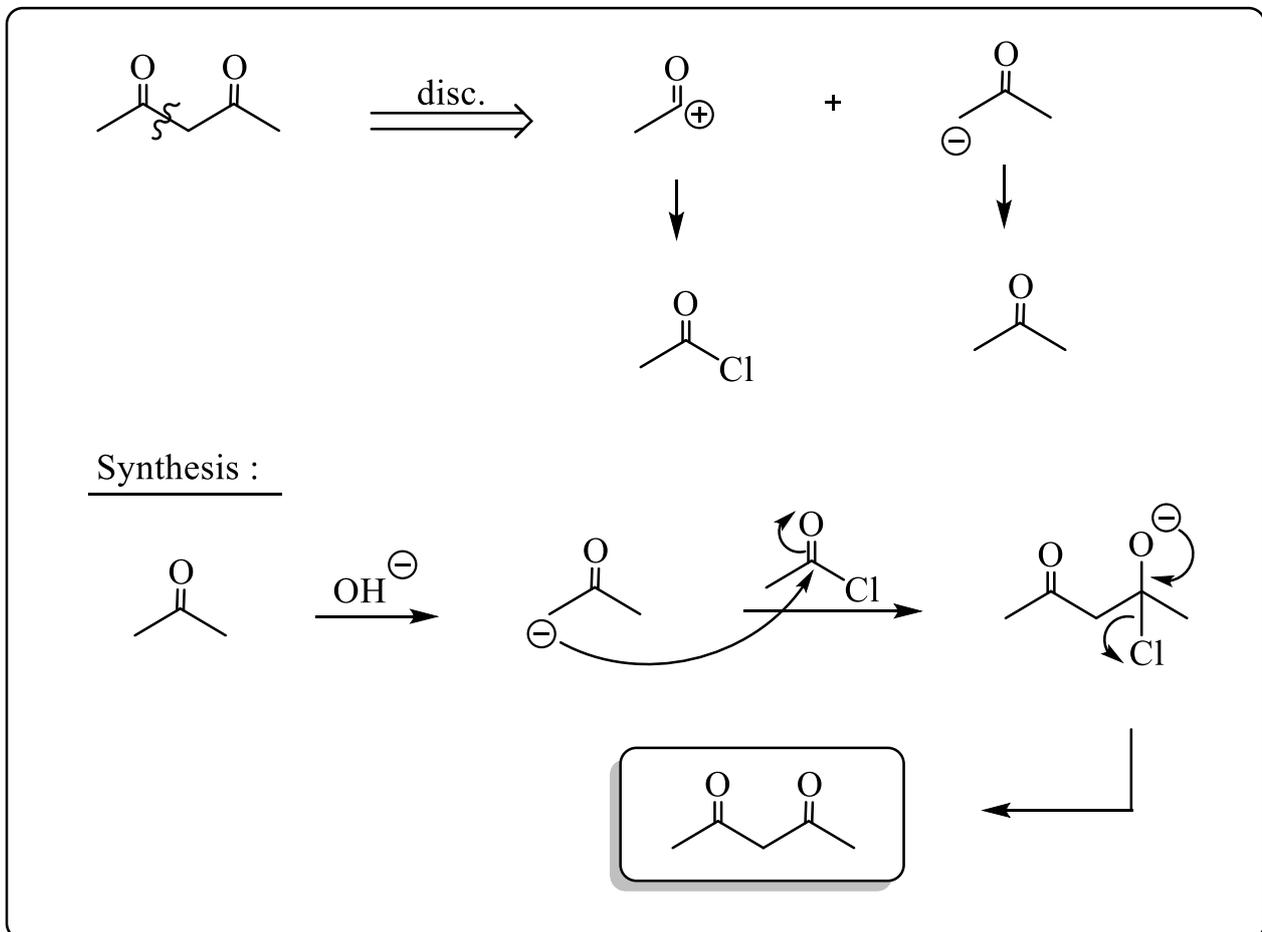
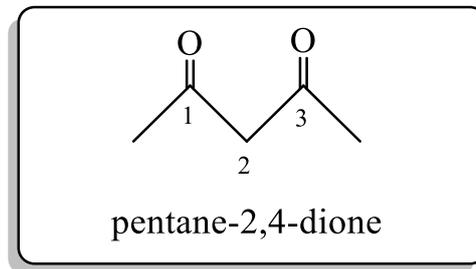


7 - مركبات 3,1 - ثنائي الكاربونيل :-

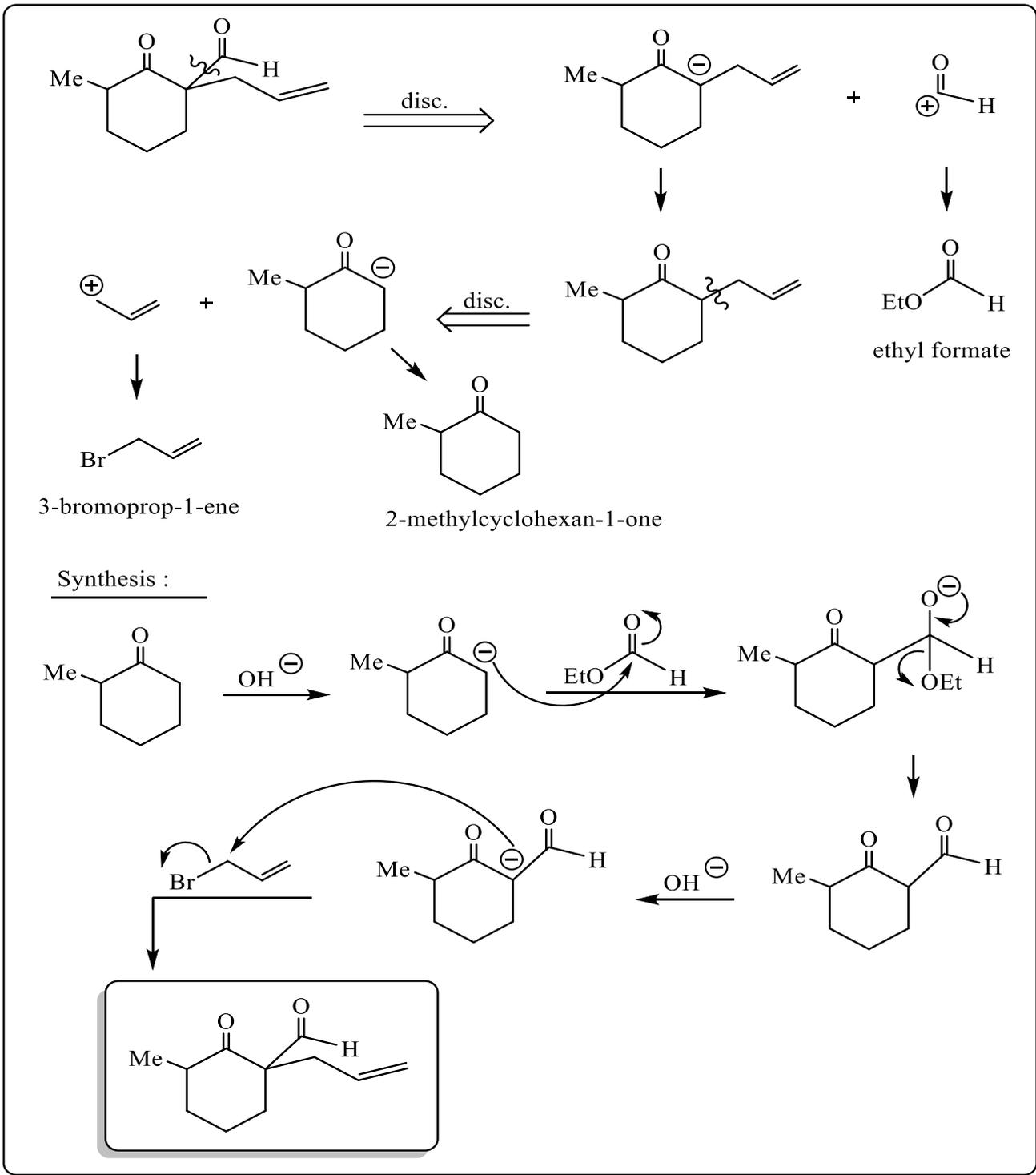
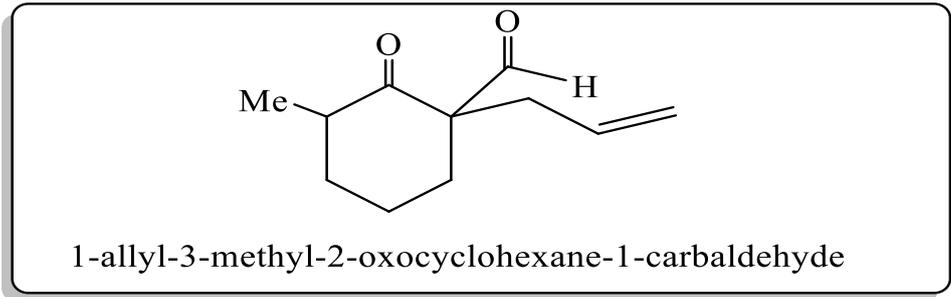
وضح خطوات تحطيم وتحضير المركب التالي :



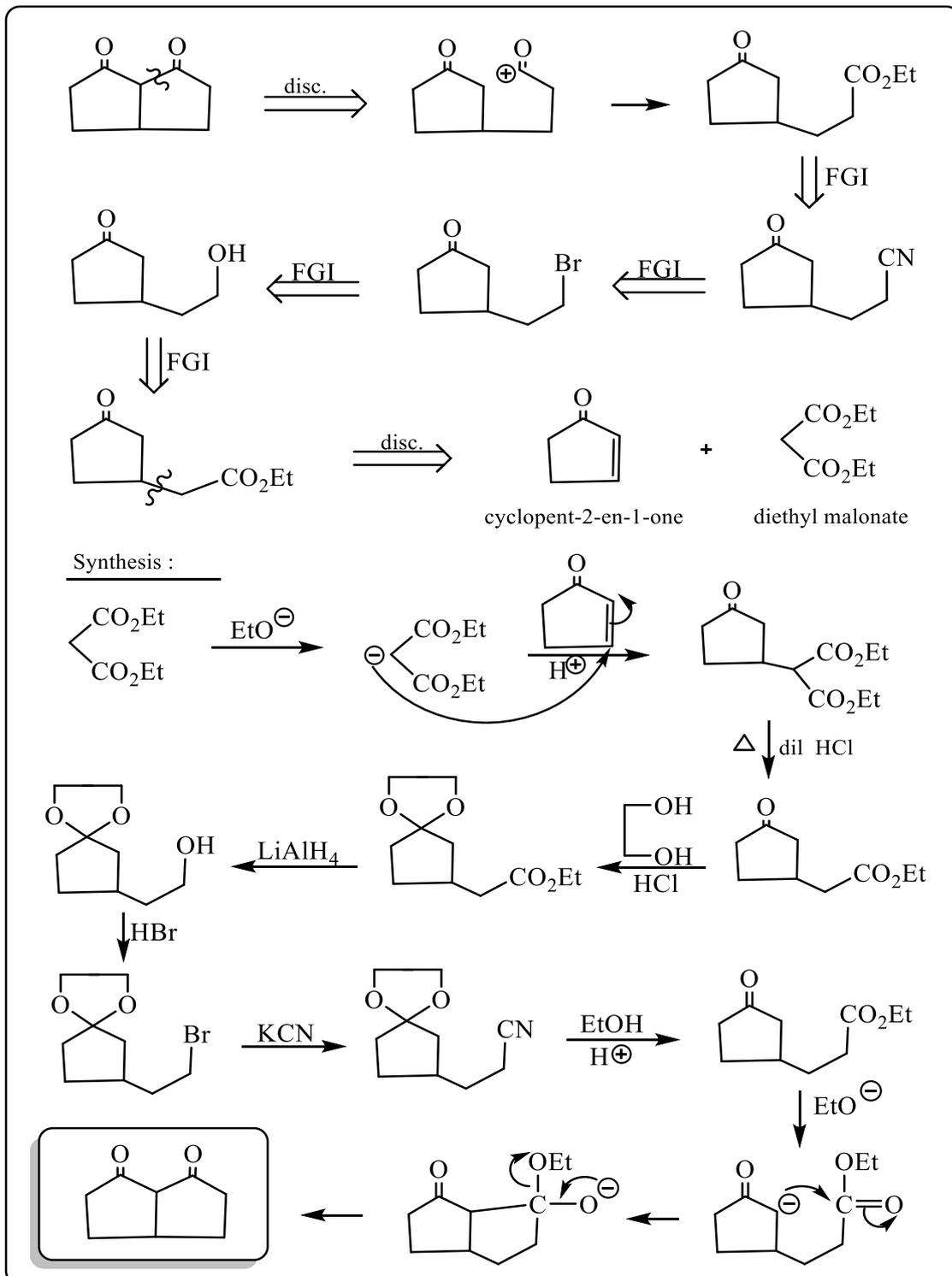
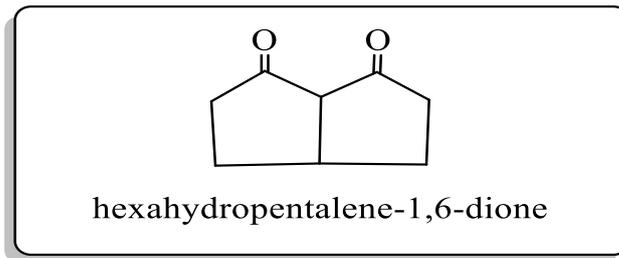




مثال آخر : اقترح طريقة لتحطيم وتحضير المركب التالي :

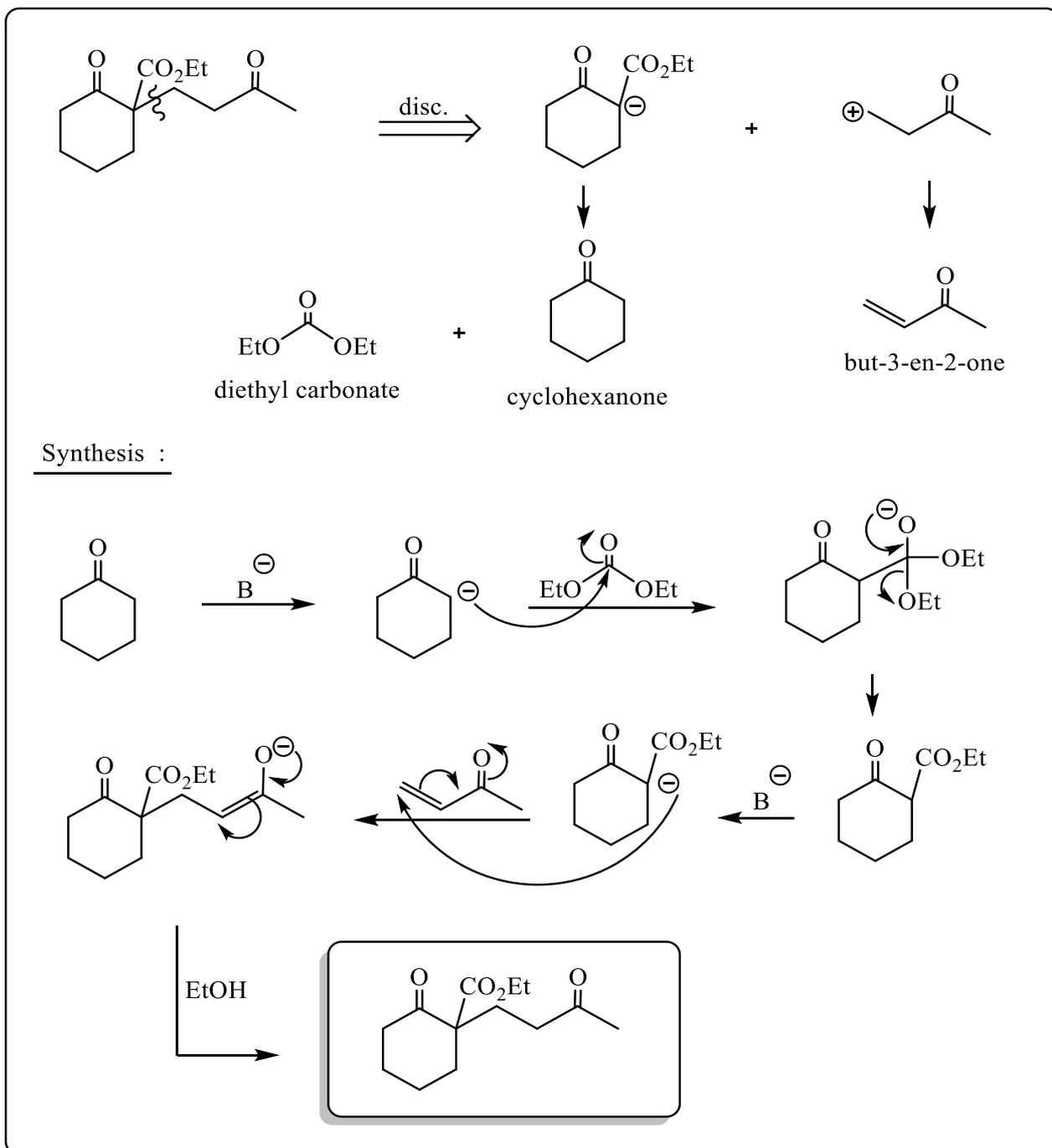
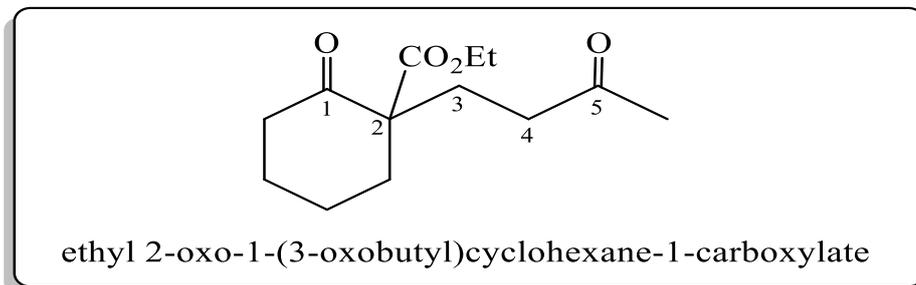


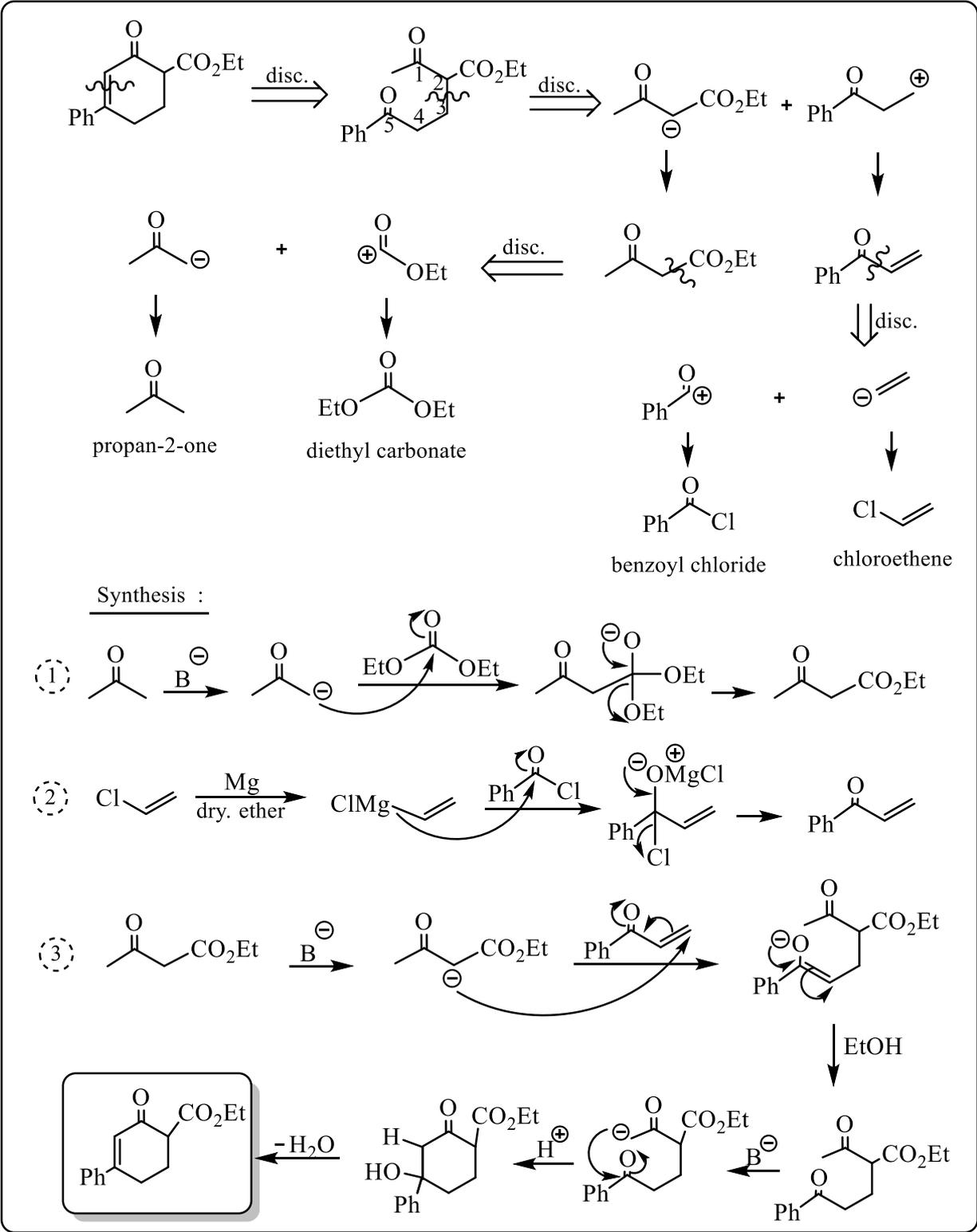
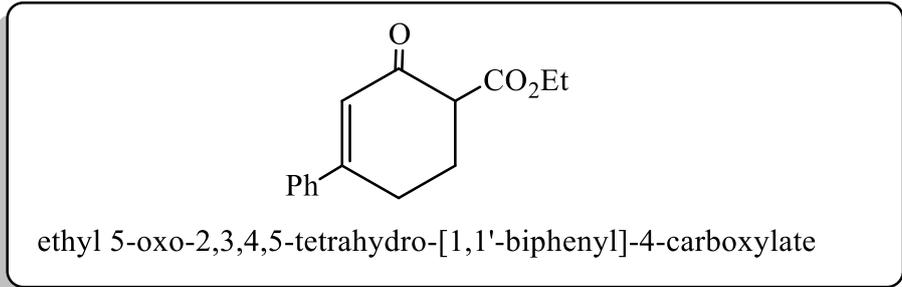
مثال آخر : اقترح طريقة لتحطيم وتحضير المركب التالي :



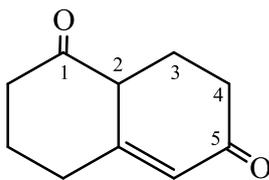
8 - مركبات 5,1 - ثنائي الكاربونيل :-

وضح خطوات تحطيم وتحضير المركب التالي :

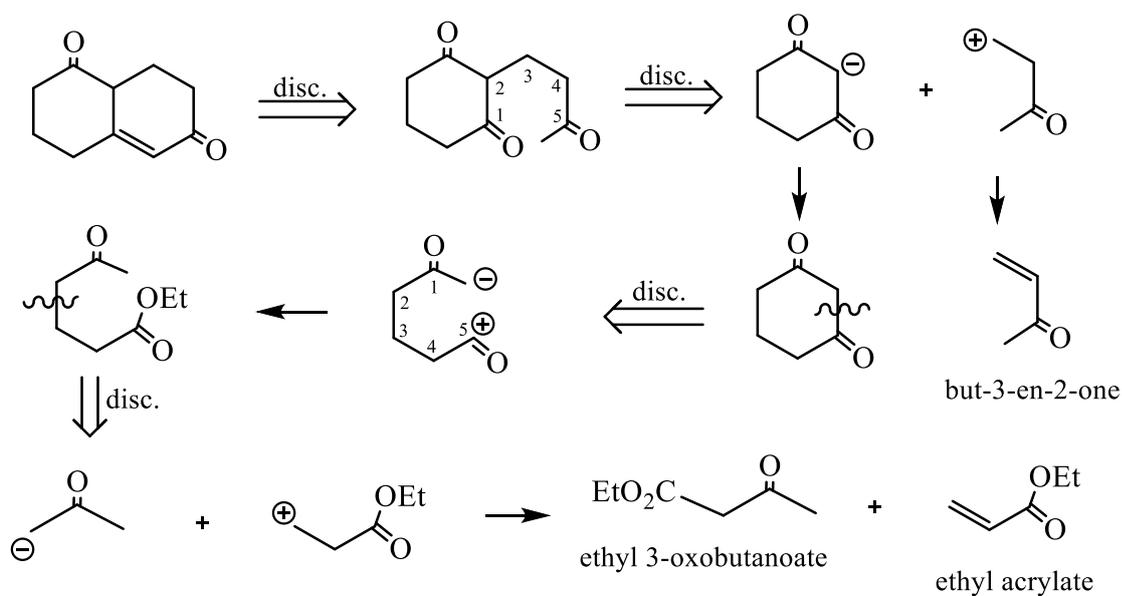




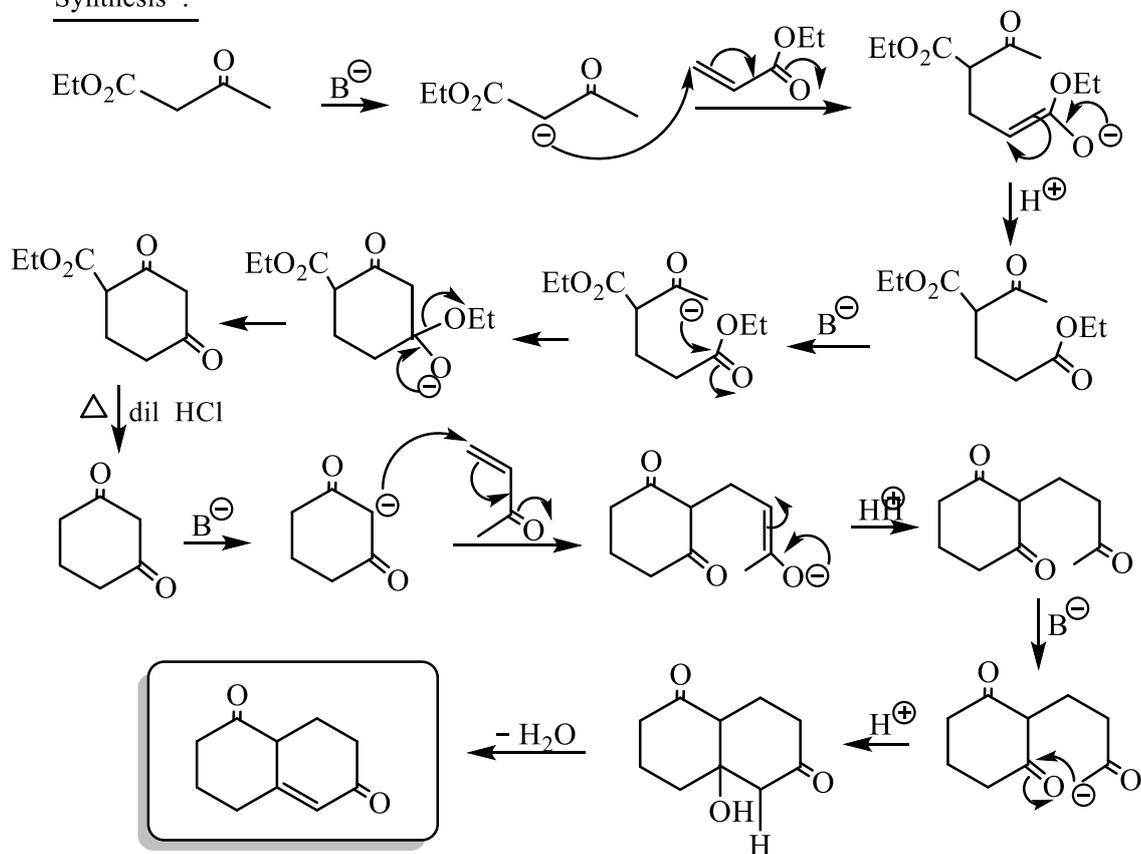
وضح خطوات تحطيم وتحضير المركب التالي :

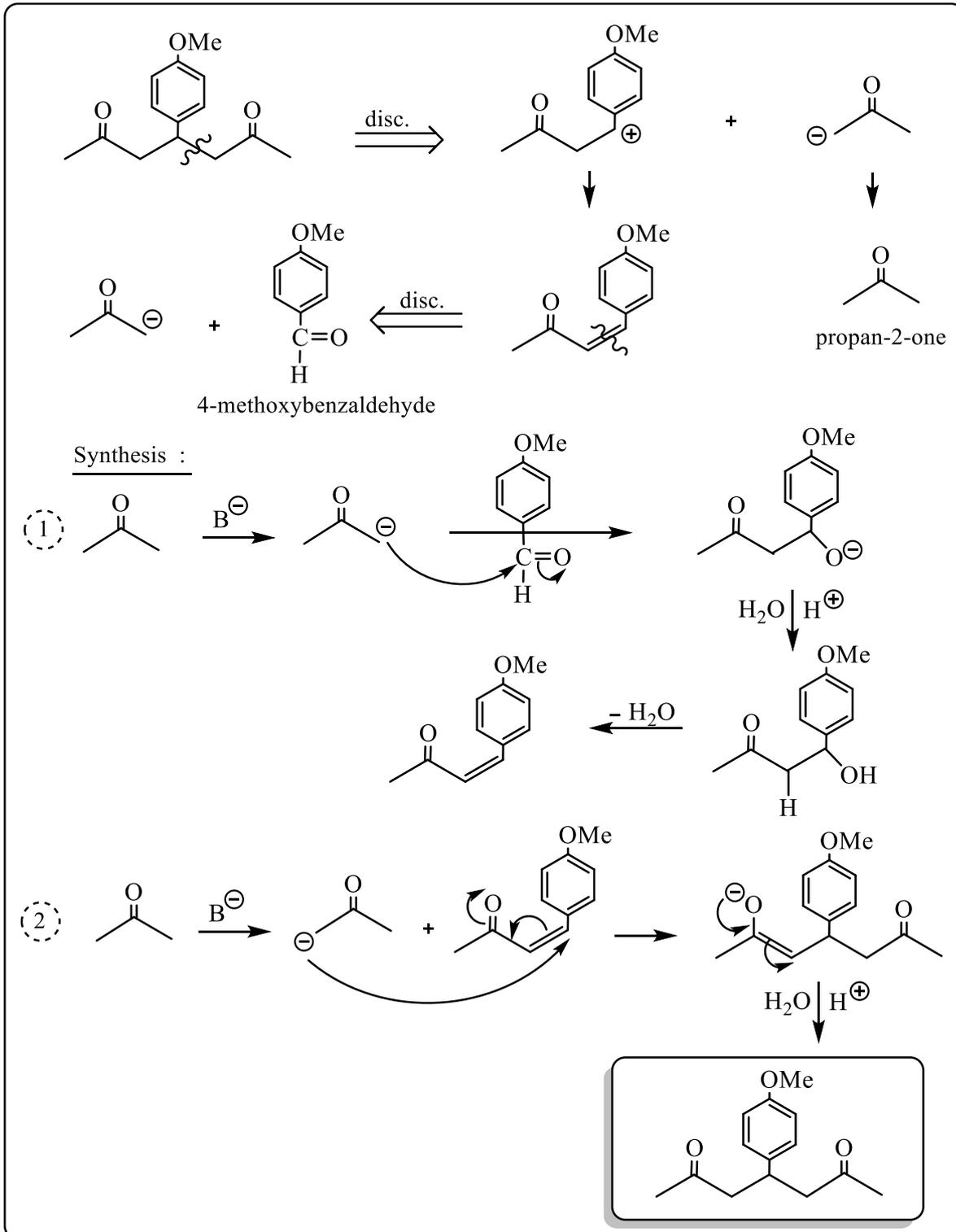
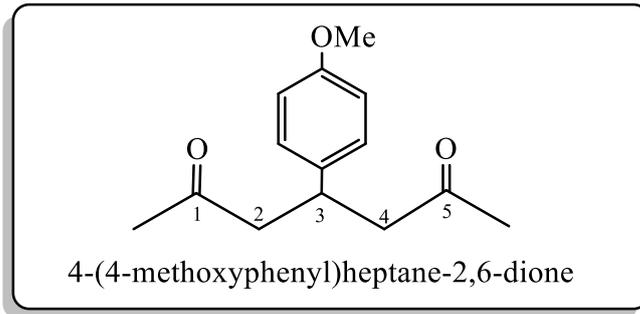


3,4,8,8a-tetrahydronaphthalene-1,6(2H,7H)-dione



Synthesis :





وضح خطوات تحطيم وتحضير المركب التالي :

