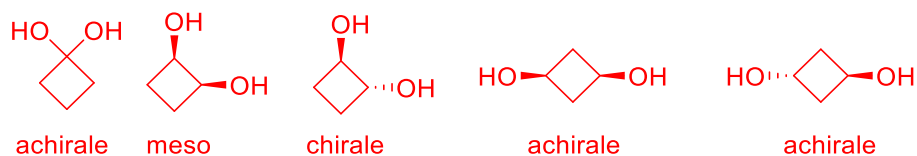
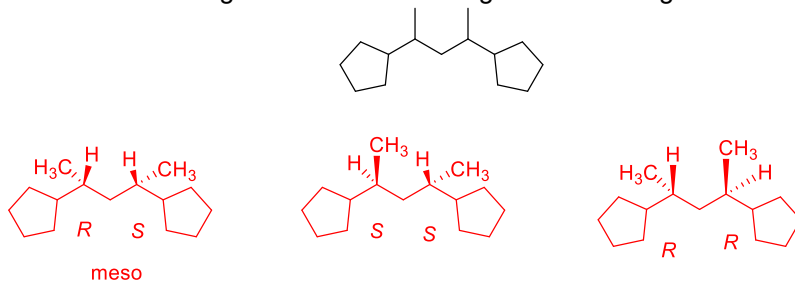


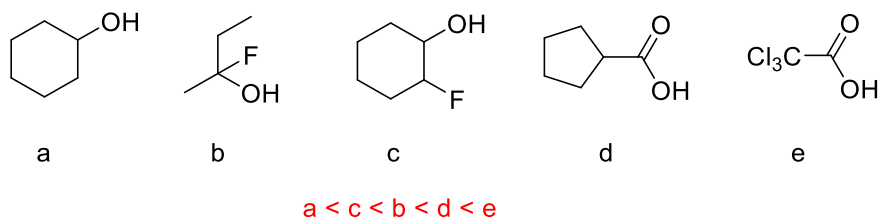
1) Scrivere gli isomeri del di-idrossiciclobutano e indicare quali isomeri sono chirali, meso o achirali



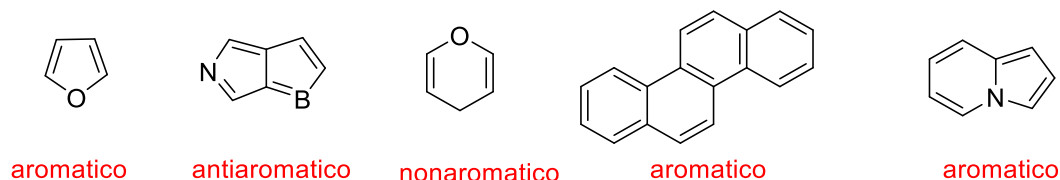
2) Scrivere tutti gli stereoisomeri della seguente molecola assegnando la configurazione assoluta ai centri chirali.



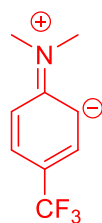
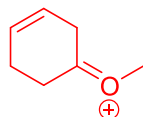
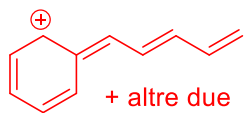
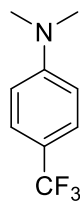
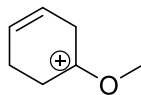
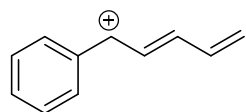
3) Mettere in ordine di acidità crescente i seguenti composti.



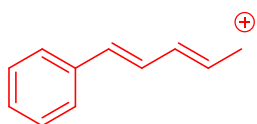
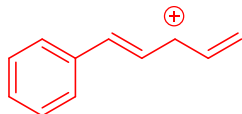
4) Determinare quali dei seguenti composti sono aromatici, antiaromatici o non aromatici.



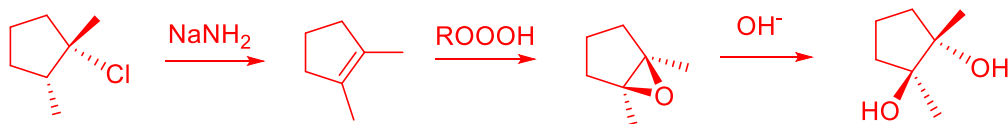
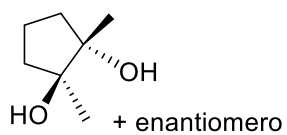
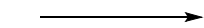
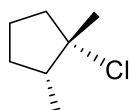
5) Scrivere le forme di risonanza dei seguenti composti



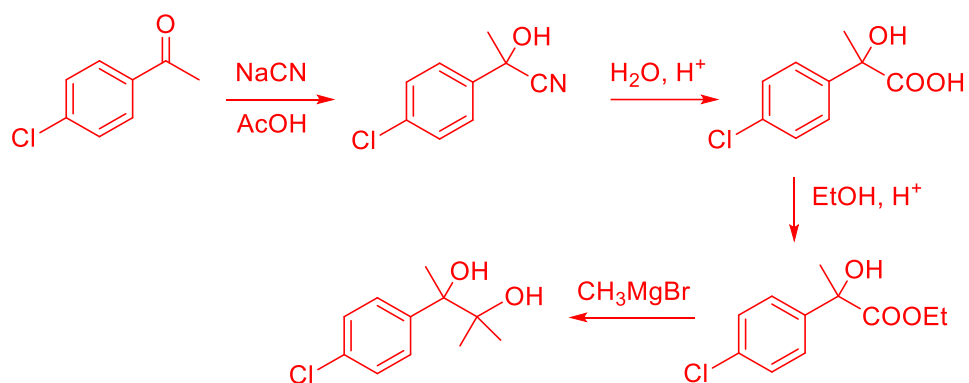
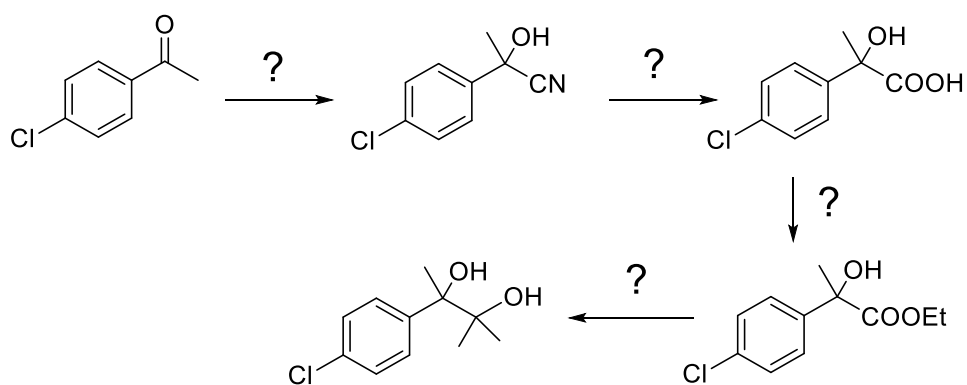
+ altre due



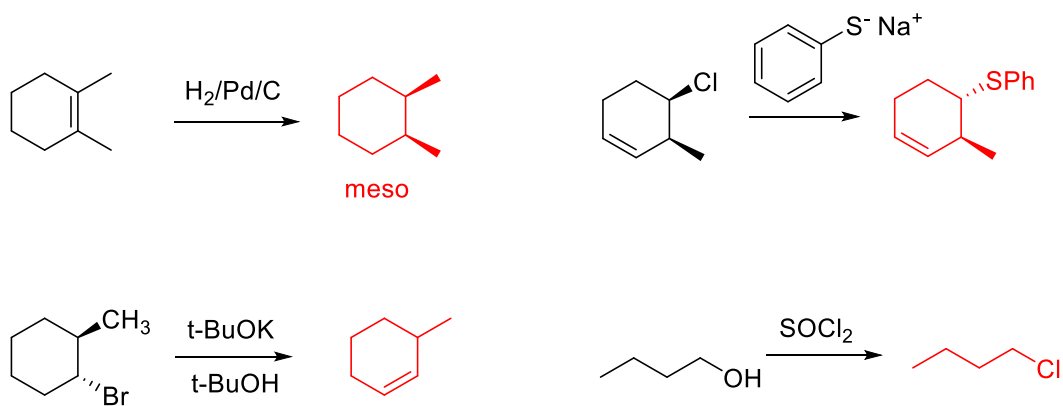
6) Proporre una via sintetica per effettuare la seguente trasformazione:



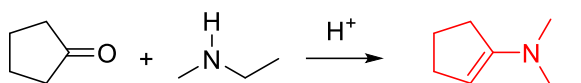
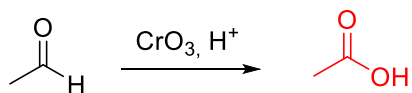
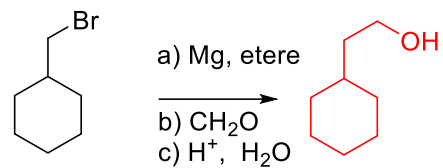
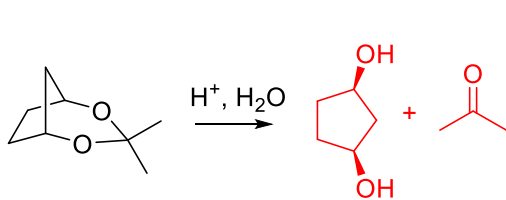
7) Suggestire i reagenti per sintetizzare il farmaco fenaglicodolo (ansiolitico) seguendo la via sintetica riportata:



8) Scrivere i prodotti principali delle seguenti reazioni indicando la stereochimica se rilevante:



9) Scrivere i prodotti principali delle seguenti reazioni



10) Scrivere i prodotti delle seguenti reazioni.

