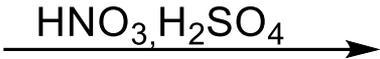
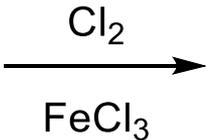
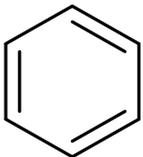
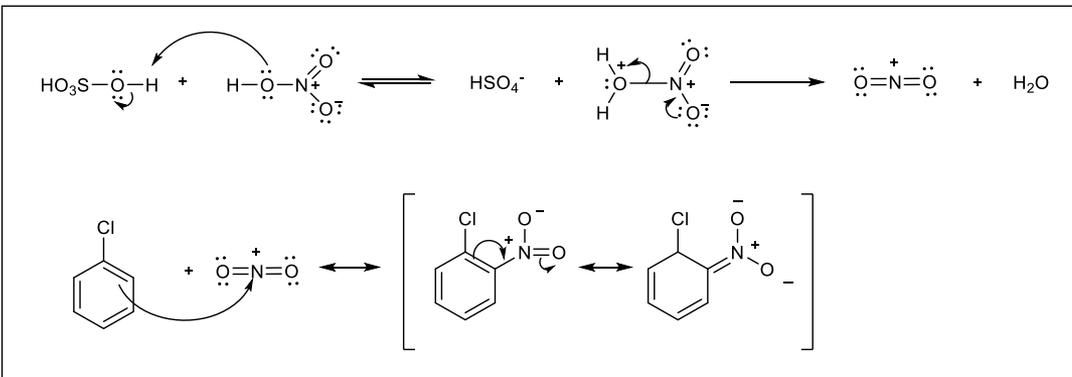


# ESERCITAZIONI: Sostituzioni elettrofile aromatiche\_1

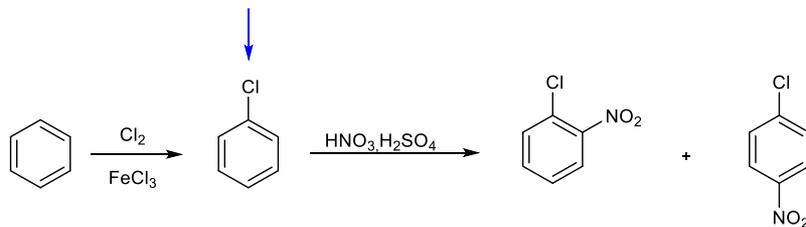


# ESERCITAZIONI: Sostituzioni elettrofile aromatiche\_1

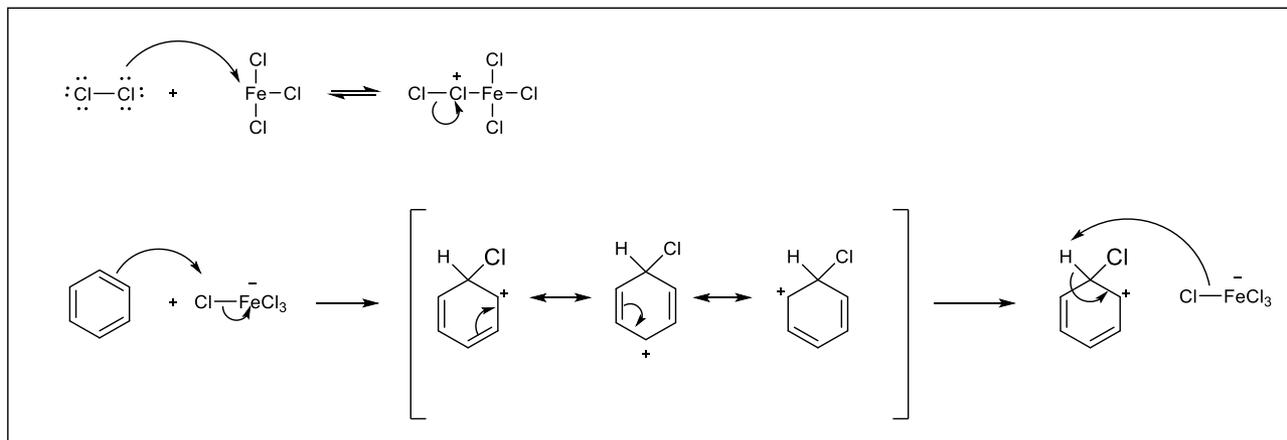
## NITRAZIONE



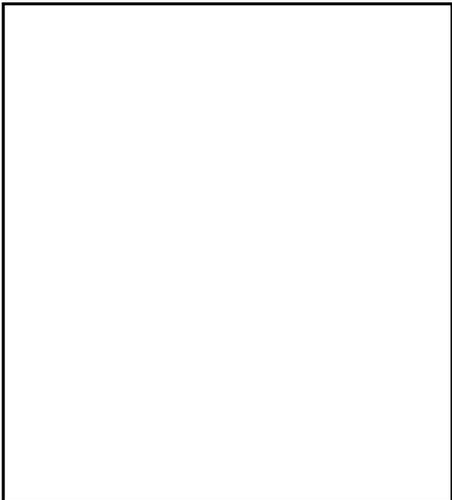
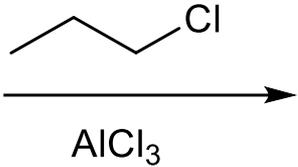
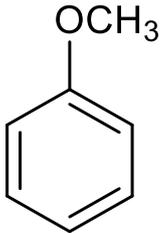
Disattivante  
orto para orientante



## CLORURAZIONE

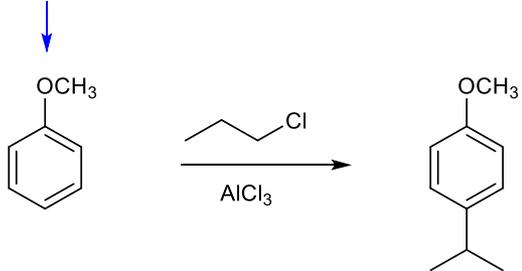


# ESERCITAZIONI: Sostituzioni elettrofile aromatiche\_2

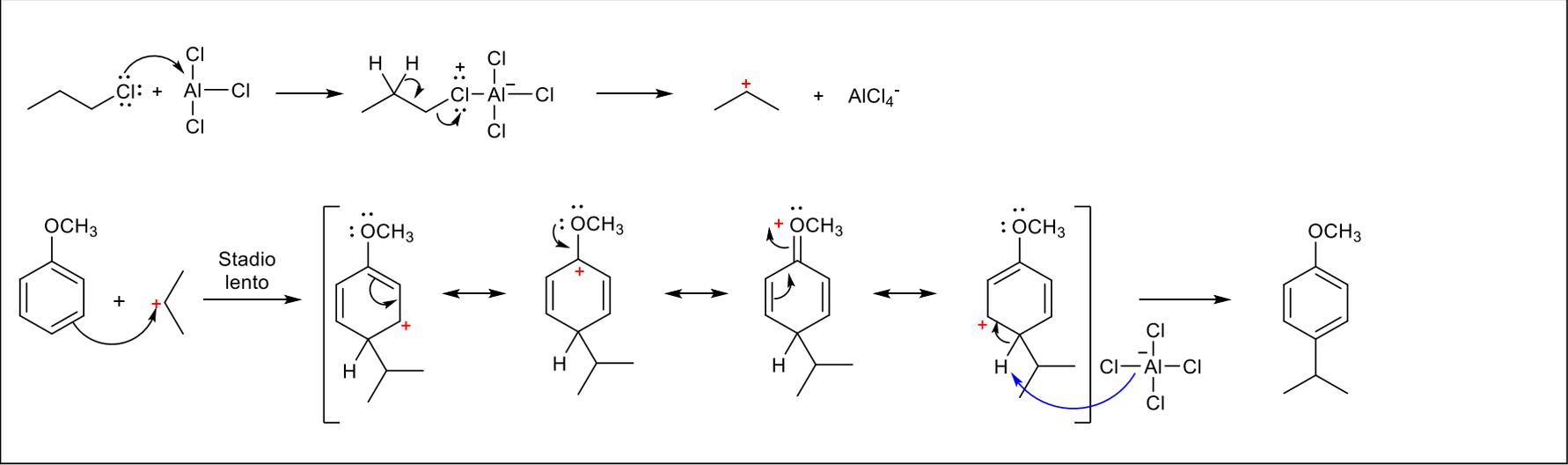


# ESERCITAZIONI: Sostituzioni elettrofile aromatiche\_2

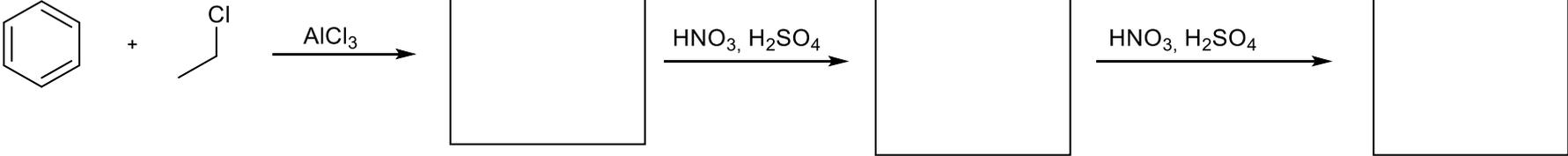
Fortemente  
attivante  
orto para orientante



## Alchilazione di Friedel-Crafts

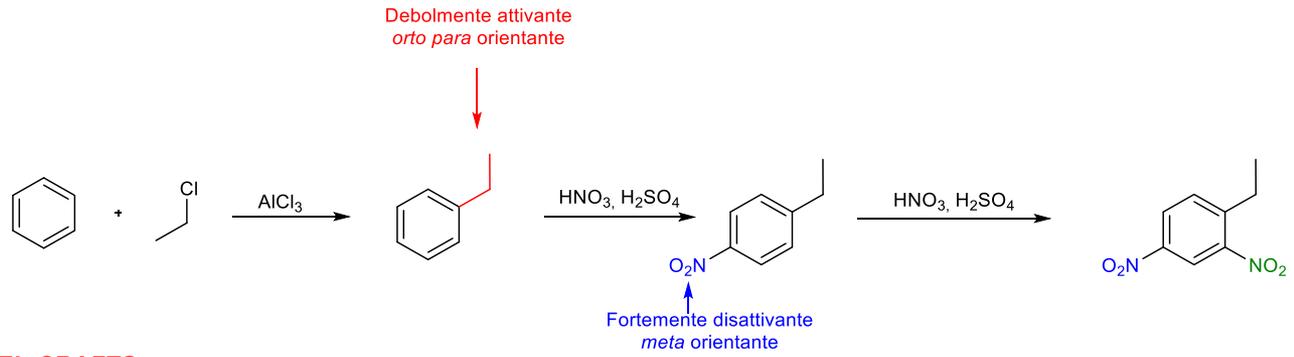
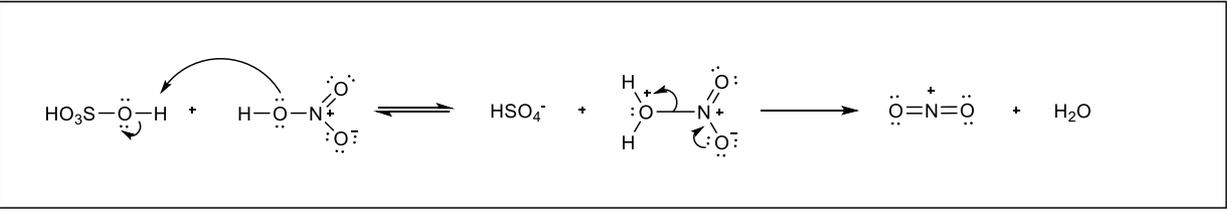


# ESERCITAZIONI: Sostituzioni elettrofile aromatiche\_3

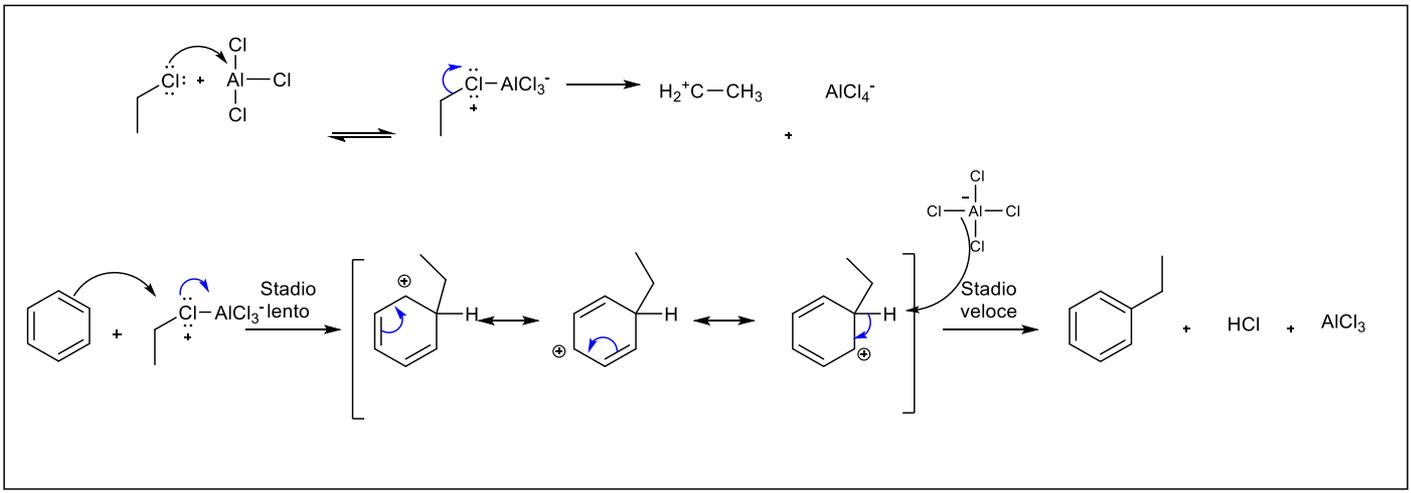


# ESERCITAZIONI: Sostituzioni elettrofile aromatiche\_3

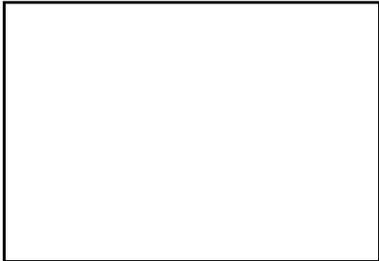
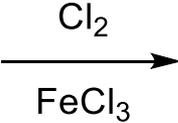
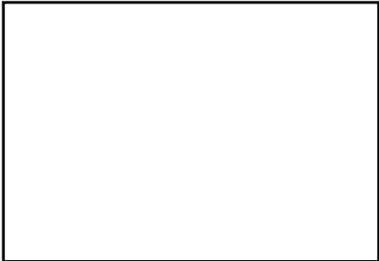
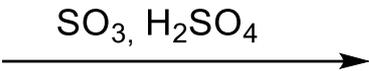
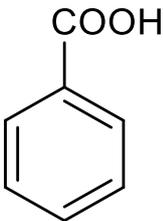
## NITRAZIONE



## ALCHILAZIONE DI FRIEDEL-CRAFTS

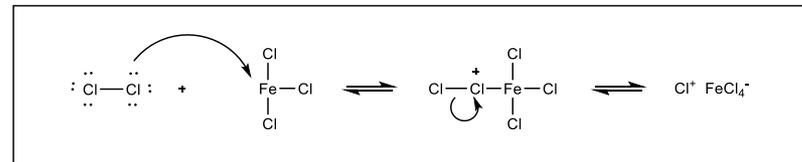


# ESERCITAZIONI: Sostituzioni elettrofile aromatiche\_4

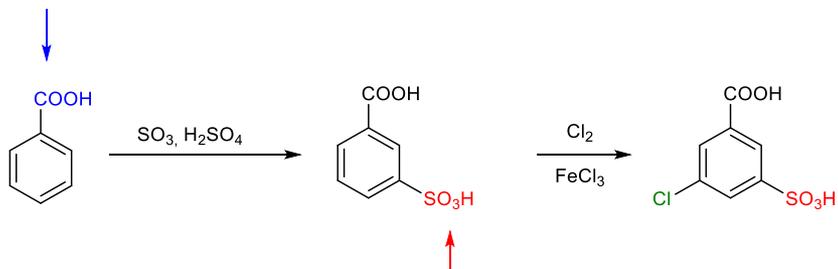


# ESERCITAZIONI: Sostituzioni elettrofile aromatiche\_4

## COLORAZIONE

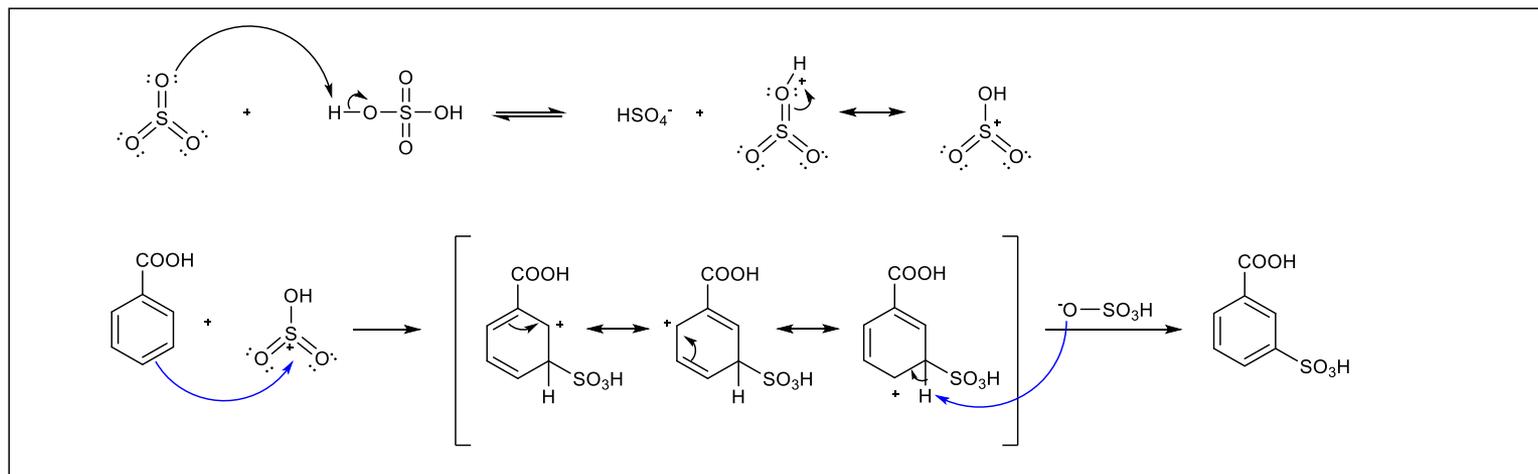


Moderatamente disattivante  
*meta* orientante

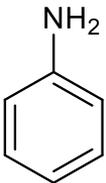


Moderatamente disattivante  
*meta* orientante

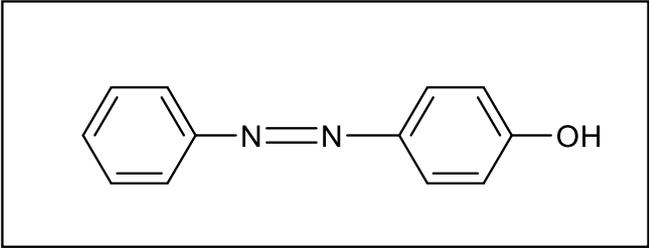
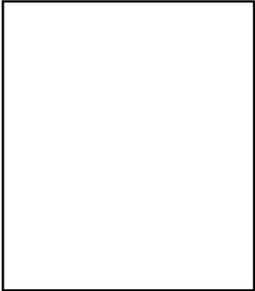
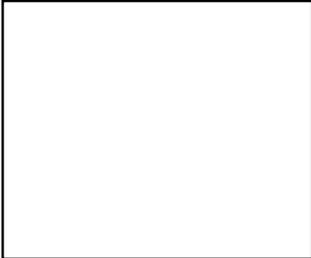
## SOLFONAZIONE



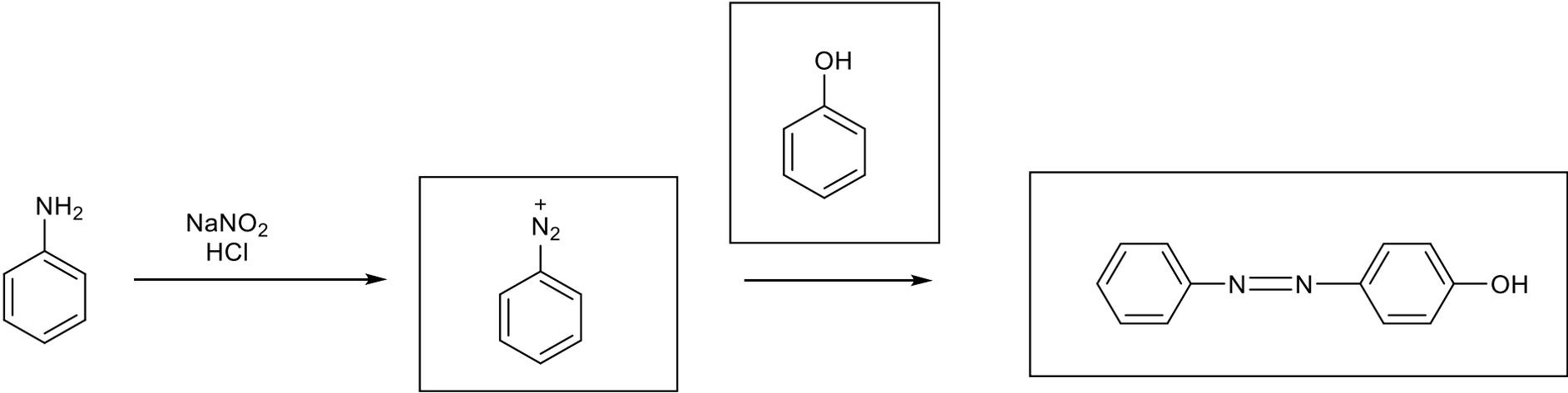
# ESERCITAZIONI: Sali di diazonio\_1



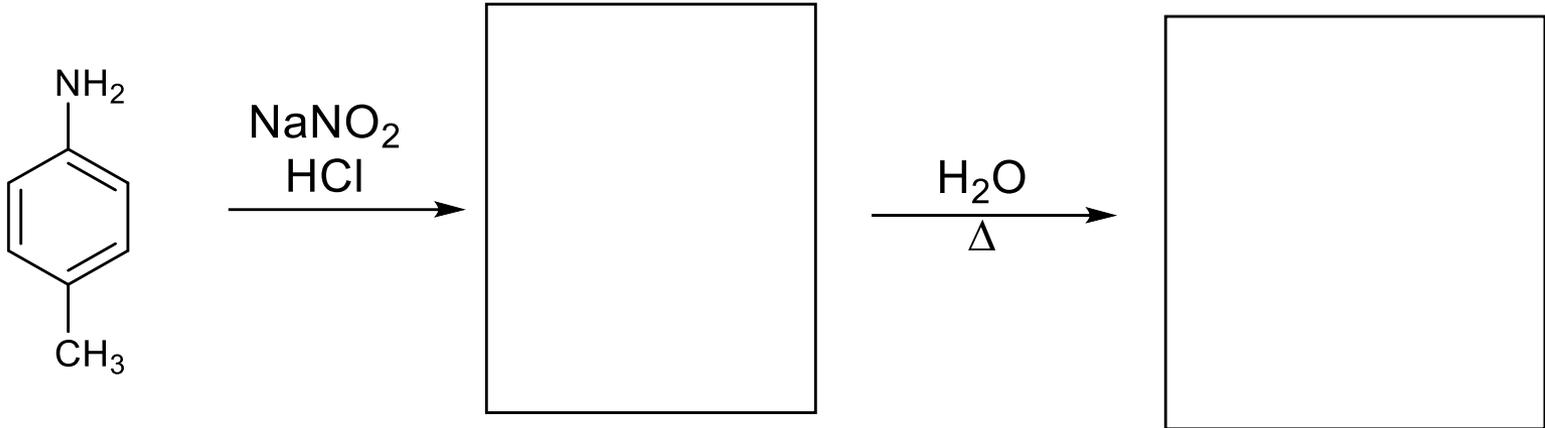
$\text{NaNO}_2$   
 $\text{HCl}$



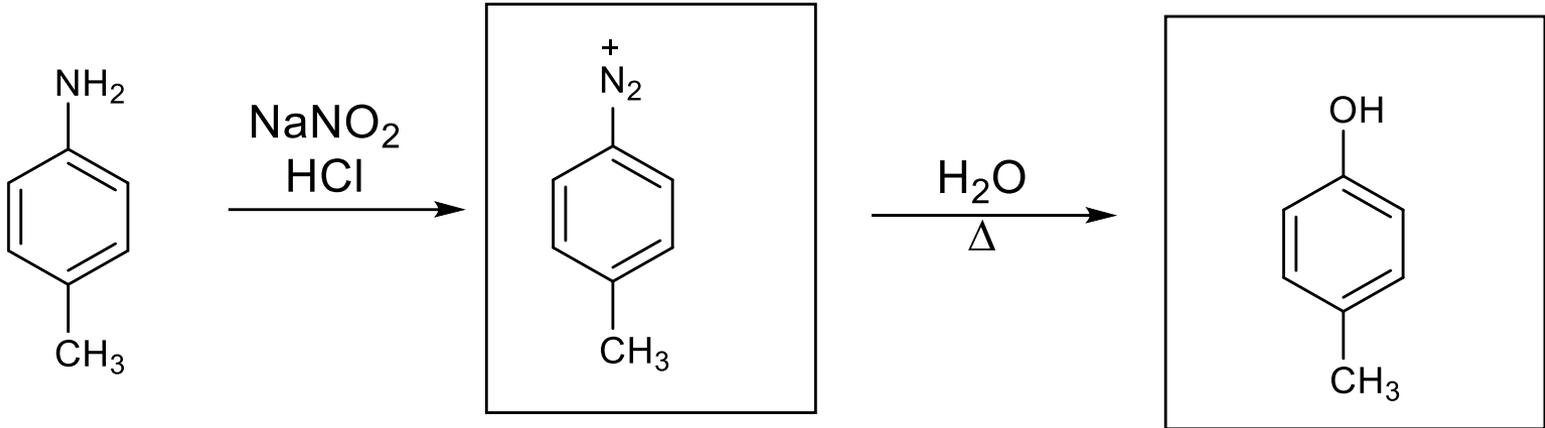
# ESERCITAZIONI: Sali di diazonio\_1



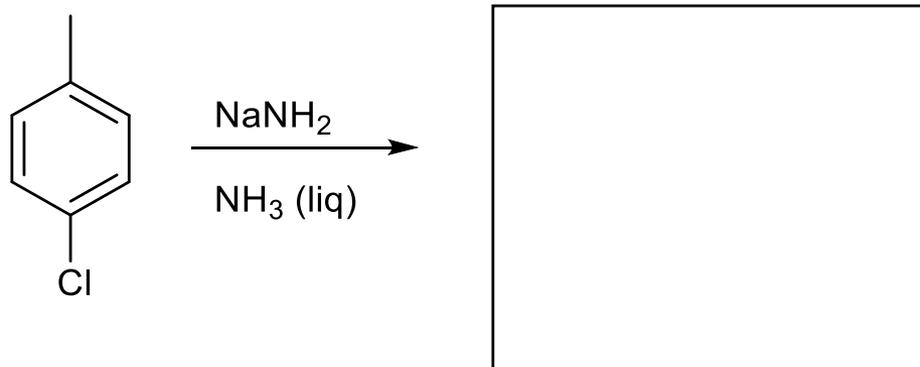
# ESERCITAZIONI: Sali di diazonio\_2



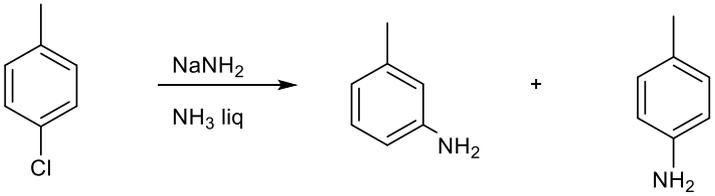
# ESERCITAZIONI: Sali di diazonio\_2



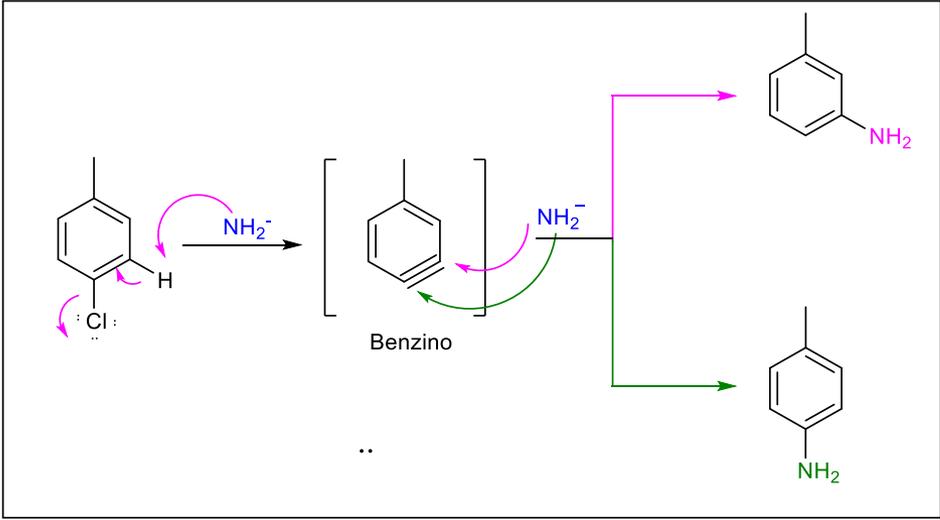
# ESERCITAZIONI: Sostituzioni nucleofile aromatiche\_1



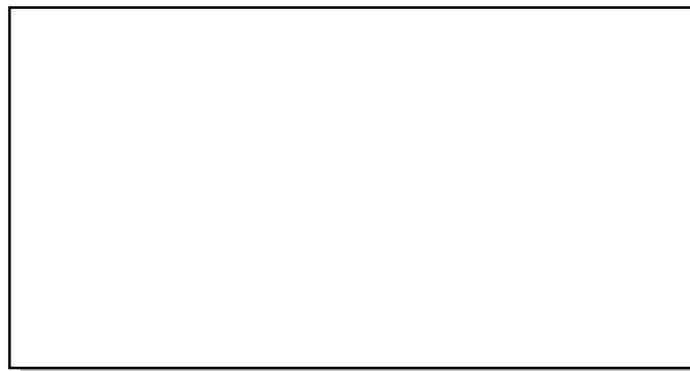
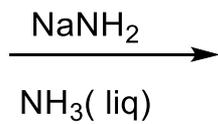
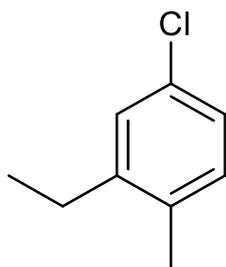
# ESERCITAZIONI: Sostituzioni nucleofile aromatiche\_1



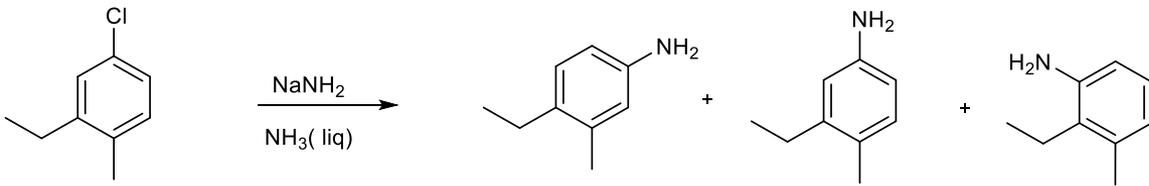
### Meccanismo



## ESERCITAZIONI: Sostituzioni nucleofile aromatiche\_2



# ESERCITAZIONI: Sostituzioni nucleofile aromatiche\_2



## Meccanismo

