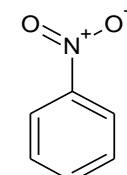


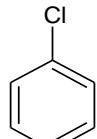
## Aniline

### Preparation



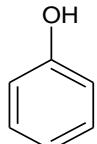
Nitrobenzene

$\xrightarrow{\text{Sn/Cconc HCl}}$



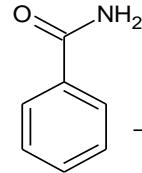
Chlorobenzene

$\xrightarrow[\text{60 atm}]{\text{Anh Cu}_2\text{Cl}_2 / 250\text{--}300^\circ\text{C}}$



Phenol

$\xrightarrow[\text{Anh ZnCl}_2]{\text{NH}_3 / 300^\circ\text{C}}$



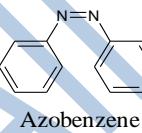
Benzamide

$\xrightarrow{\text{Br}_2/\text{KOH}}$



Benzene

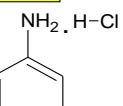
$\xrightarrow[\text{Anh FeCl}_3]{\text{NH}_2\text{OH}/\Delta}$



Azobenzene

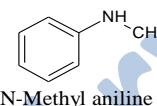
$\xrightarrow[15\text{--}20 \text{ atm} / 50^\circ\text{C}]{\text{H}_2/\text{Ni Cat}}$

### Reactions



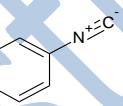
Aniline hydrochloride

$\xrightarrow{\text{HCl}}$



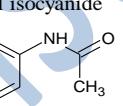
N-Methyl aniline

$\xrightarrow{\text{CH}_3\text{Cl}}$



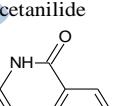
Phenyl isocyanide

$\xrightarrow{\text{CHCl}_3/\text{KOH}}$



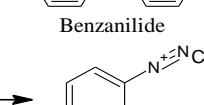
Acetanilide

$\xrightarrow{\text{CH}_3\text{COCl}}$



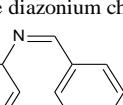
Benzanilide

$\xrightarrow{\text{PhCOCl}}$



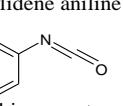
Benzene diazonium chloride

$\xrightarrow[\text{0.5 }^\circ\text{C}]{\text{NaNO}_2/\text{HCl}}$



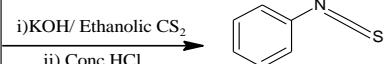
Benzylidene aniline

$\xrightarrow{\text{C}_6\text{H}_5\text{CHO}}$



Phenyl isocyanate

$\xrightarrow{\text{ClCOCl}}$

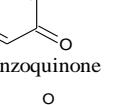


Phenyl thioisocyanate

i)  $\text{KOH}/\text{Ethanolic CS}_2$

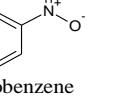
ii)  $\text{Conc HCl}$

$\xrightarrow{\text{Na}_2\text{Cr}_2\text{O}_7 / \text{H}_2\text{SO}_4}$



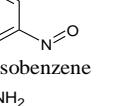
p-Benzoquinone

$\xrightarrow{\text{CF}_3\text{COOH}}$



Nitrobenzene

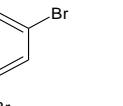
$\xrightarrow{\text{H}_2\text{SO}_5}$



Nitrosobenzene

$\xrightarrow{\text{Excess Br}_2}$

$\xrightarrow{\text{H}_2\text{O}}$



2,4,6-Tri-bromoaniline