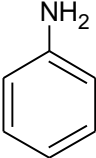


## Amino Compounds

<b>Name</b>	Aniline
<b>Mol. Formula</b>	$C_6H_7N$
<b>Mol. Structure</b>	
<b>Physical state</b>	Liquid
<b>Solubility</b>	Soluble in HCl (Bases)
<b>FeCl<sub>3</sub></b> Aniline+ HCl 10%+1ml FeCl <sub>3</sub>	Green or blue
<b>Diazonium salt</b>  ( Aniline+ HCl 10%+5 drops of NaNO <sub>2</sub> )	Yellow aqueous
<b>(A) –Azo-dye</b> <u>Two tubes</u> 1- Diazonium salt 2-β-Naphthole +10%NaOH 3-Add tube 1 to tube 2 in ice bath	Azo-dye Red dye
<b>(B) –Hydrolysis of Diazonium salt</b> 1ml of Diazonium Salt+2ml H <sub>2</sub> O	Smell of phenol