

Comparison of the properties of phenol and ethanol

| | Phenol | Ethanol |
|--|---------------|----------------|
| $\text{SOCl}_2/\text{PCl}_5$ | | |
| Iodoform test | | |
| Ethanoic acid + H_2SO_4 reflux | | |
| $\text{Br}_2(\text{aq})$ | | |
| $\text{FeCl}_3(\text{aq})$ | | |
| $\text{NaOH}(\text{aq})$ | | |
| $\text{Na}_2\text{CO}_3(\text{aq})$ | | |
| Na | | |
| CH_3COCl | | |
| $\text{K}_2\text{Cr}_2\text{O}_7/\text{H}^+/\text{heat}$ | | |
| Conc $\text{H}_2\text{SO}_4/180^\circ\text{C}$ | | |