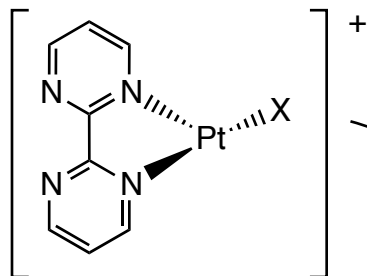


$\text{X} = \text{Cl}^-, \text{HSO}_4^-$



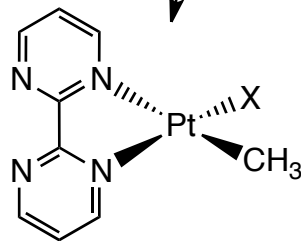
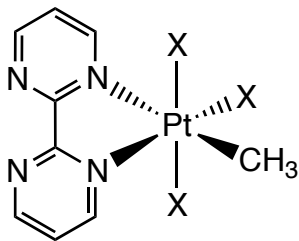
$\text{CH}_3\text{X}$

Functionalisation

$\text{CH}_4$

Activation

$\text{HX}$



Oxidation

$\text{SO}_2 + 2\text{H}_2\text{O}$

$\text{SO}_3 + 2\text{HX}$