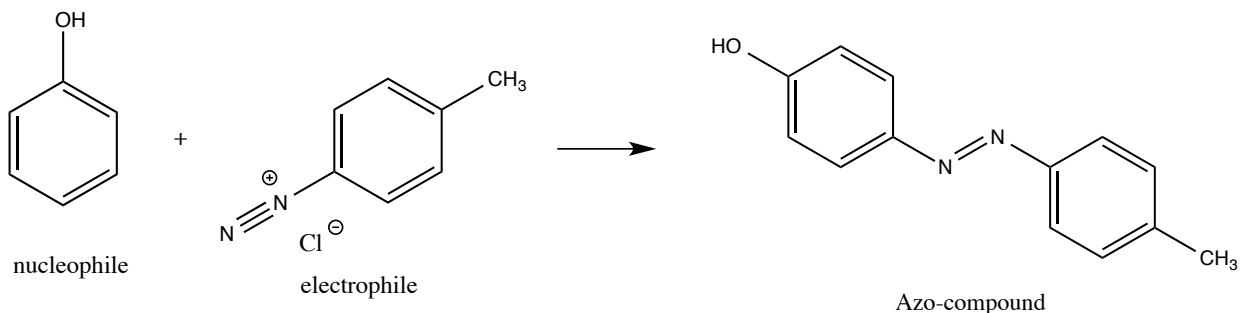


Chem 345 – Organic Reactions Chapter 23
Prepared by José Laboy, MS
[http: www.chem.wisc.edu/areas/clc](http://www.chem.wisc.edu/areas/clc) (Resource page)

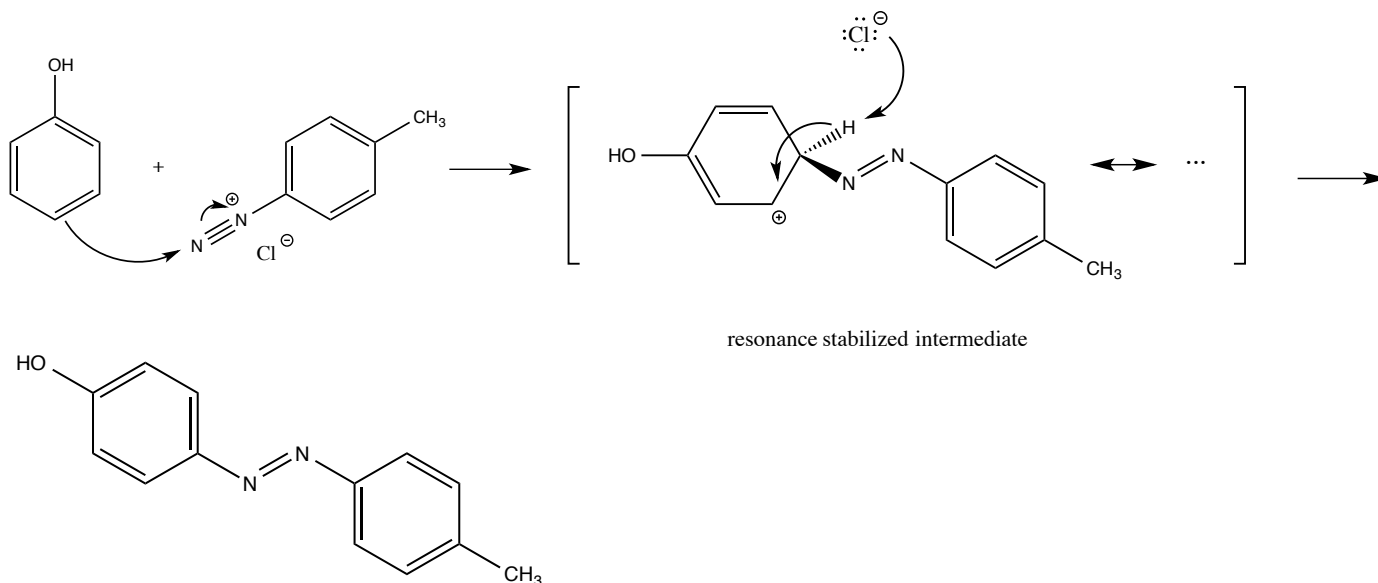
Aromatic Substitution with Diazonium Salt

Reaction:



If an electron-rich aromatic compound is added to a diazonium salt coupling occurs and an azo-compound is formed.

Mechanism:



This reaction is very important in the dye industry as these compounds are very colorful.