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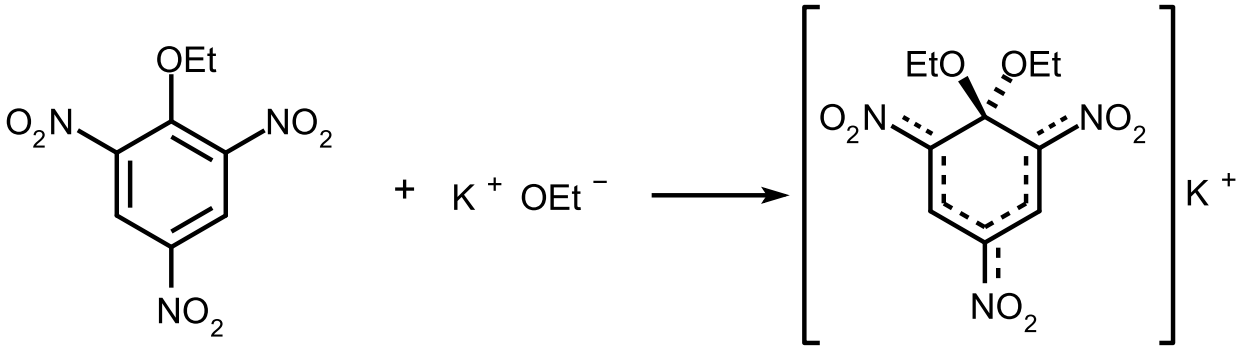
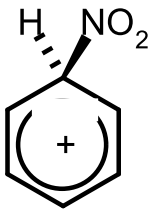
Meisenheimer adduct

A cyclohexadienyl derivative formed as Lewis adduct from a nucleophile (Lewis base) and an aromatic or heteroaromatic compound, also called Jackson–Meisenheimer adduct. In earlier usage the term 'Meisenheimer complex' was restricted to the typical Meisenheimer alkoxide adducts of nitro-substituted aromatic ethers, e.g.



Analogous cationic adducts, such as:



considered to be reaction intermediates in electrophilic aromatic substitution reactions, are called 'Wheland intermediates', and sometimes, inappropriately, σ-complexes.
See also: σ-adduct

Source:
PAC, 1994, *66*, 1077 *(Glossary of terms used in physical organic chemistry (IUPAC Recommendations 1994))* on page 1138

See also:
PAC, 1995, *67*, 1307 *(Glossary of class names of organic compounds and reactivity intermediates based on structure (IUPAC Recommendations 1995))* on page 1348

