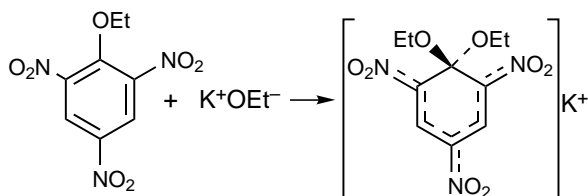
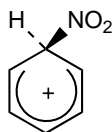


Meisenheimer adduct

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*.

1994, 66, 1138; see also 1995, 67, 1348