

nucleophilic aromatic photosubstitution

Photosubstitution in aromatic compounds with the participation of nucleophiles.

Note:

While electrophilic substitution is the most common reaction on aromatic compounds in the ground state, nucleophilic substitution is typical for the excited states of these compounds. Some electrophilic aromatic photosubstitutions (upon excitation of the aromatic substrate) have been reported.

Source:

PAC, 2007, 79, 293 (*Glossary of terms used in photochemistry, 3rd edition (IUPAC Recommendations 2006)*) on page 376