





Addition-elimination mechanism (Mech. 23.1, p. 971): The nucleophile adds to the carbon bearing the halide giving leading to an intermediate aryl anion (Meisenheimer complex), which is stabilzed by the nitro group. The halide is the eliminated giving the nucleophilic aromatic substitution product.

$$\begin{array}{c} \downarrow \\ \downarrow \\ NO_2 \end{array} + CH_0O^-Na^+ \longrightarrow \begin{array}{c} \downarrow \\ NO_2 \end{array} + NaF \end{array}$$



