The following cation, which is a strong electrophile, is called the nitronium ion.

\[
\begin{align*}
\text{O} & \text{N} \text{O} \\
\end{align*}
\]

Salts of the nitronium ion are available commercially.

eg:

\[
^+ \text{NO}_2^- \text{BF}_4
\]

The nitronium ion can be generated by the reaction of conc. nitric acid with conc. sulfuric acid.

see also nitro group

Contributors

- Gamini Gunawardena from the OChemPal site (Utah Valley University)