azomethine imides

**Synonym:** azo ylides

The 1,3-dipolar N-imides of azomethines having the structure

\[
\begin{align*}
\text{R} & \quad \text{R} \\
\text{N}^+ & \quad \text{N}^- \\
\text{R} & \quad \text{R}
\end{align*}
\quad \leftrightarrow \quad
\begin{align*}
\text{R} & \quad \text{R} \\
\text{C}^- & \quad \text{N}^+ \\
\text{N} & \quad \text{R}
\end{align*}
\]

The term azo ylides, derived from the second resonance form, has also been used.

**See:** imides (2), ylides

**Source:**
PAC, 1995, 67, 1307 (Glossary of class names of organic compounds and reactivity intermediates based on structure (IUPAC Recommendations 1995)) on page 1321