

nitrenium ions

Synonym: aminylium ions

The cation (H_2N^+) and its *N*-hydrocarbyl derivatives (R_2N^+), in which the nitrogen has a positive charge, and two unshared electrons. A synonymous but less widely used term is aminylium ions. The alkylidene derivatives of (H_2N^+), ($\text{R}_2\text{C}=\text{N}^+$), still belong to the class nitrenium ions, but are more precisely designated by the term iminylium ions.

Source:

PAC, 1995, 67, 1307 (*Glossary of class names of organic compounds and reactivity intermediates based on structure (IUPAC Recommendations 1995)*) on page 1350

See also:

PAC, 1994, 66, 1077 (*Glossary of terms used in physical organic chemistry (IUPAC Recommendations 1994)*) on page 1145