

amidium ions

Cations formally derived by the addition of one hydron to the N or O atom of an *amide* and *N-hydrocarbyl* derivatives thereof. In organic chemistry an unspecified amidium ion is commonly a carboxamidium ion $\text{RC}(\text{OH})=\text{N}^+\text{R}_2 \leftrightarrow \text{RC}(=\text{O}^+\text{H})\text{NR}_2$ or $\text{RC}(=\text{O})\text{N}^+\text{R}_3$. The term does not imply knowledge concerning the position of the cationic centre, e.g. $\text{PhC}(=\text{O})\text{N}^+\text{Me}_3$ *N,N,N*-trimethylbenzamidium.

1995, 67, 1315; see also 1993, 65, 1357