

heteroconjugation

+ 1. Association between a base and the conjugate acid of a different base through a *hydrogen bond* ($B' \dots HB^+$ or $A'H \dots A^-$). The term has its origin in the *conjugate acid–base pair* and is in no way related to conjugation of *orbitals*. Heteroassociation is a more appropriate term.

+ 2. Some authors refer to *conjugated systems* containing a heteroatom, e.g. pyridine, as ‘heteroconjugated systems’. This usage is discouraged since it inappropriately suggests an analogy to *homoconjugation* (2), and conflicts with the currently accepted definition of that term.

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