

heterolytic bond-dissociation energy

The energy required to break a given bond of some specific compound by *heterolysis*. For the *dissociation* of a neutral molecule AB in the gas phase into A^+ and B^- the heterolytic *bond-dissociation energy* $D(A^+B^-)$ is the sum of the bond dissociation energy, $D(A-B)$, and the adiabatic ionization energy of the radical A^\cdot minus the electron affinity of the radical B^\cdot .

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