



# Handbook of Bond Dissociation Energies in Organic Compounds

Yu-Ran Luo

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So many compounds, so many experiments reported by so many researchers using so many methods...Finding reliable data on bond dissociation energies (BDEs) can be like looking for a needle in a haystack. But these data are crucial to work in chemical kinetics, free radical chemistry, organic thermochemistry, and physical organic chemistry-so where does one turn?

With data on almost 2900 bonds in 2500 organic compounds, the Handbook of Bond Dissociation Energies in Organic Compounds is the first comprehensive collection of experimental BDE data. Author Dr. Yu-Ran Luo has spent more than 10 years collecting, assessing, and tabulating BDE experiment results and presents them here in a well-organized, easy-to-use series of tables. For each compound, the tables list up to five recent experimental values, indicate which is the recommended value, give the method used to determine each value, and provide references for each value. An outstanding format and complete indexing both by compound name and by compound class make searching for data quick and easy.

While experimental BDE values carry inherent uncertainties, the value of this compilation does not. There is simply no other resource that provides as much data. With this book, when you need data on a particular bond dissociation energy, you'll find it within just a few minutes.



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