Strained Hydrocarbons: Beyond the van't Hoff and Le Bel Hypothesis
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DESCRIPTION

In clearly structured chapters, this book covers the fascinating world of hydrocarbons, providing an insight into the fundamental principles of chemistry. The monograph covers modern aspects of the topic, such as carbon nanotubes, molecular flask inclusion, and fullerenes, with new synthetic procedures for the build up of the structural lattice included.

ABOUT THE AUTHOR

Helena Dodziuk worked for many years at the Institute of Organic Chemistry, at present at the Institute of Physical Chemistry, both of Polish Academy of Sciences. She is author or coauthor of over 100 publications, among them four books (one in Polish), 13 reviews and some popular articles. In addition to strained hydrocarbons with unusual spatial structure, she is interested in conformational analysis of hydrocarbons, classification of chiral molecules and isomers, NMR spectra and model calculations of cyclodextrin complexes, endohedral fullerene complexes and carbon nanotubes.