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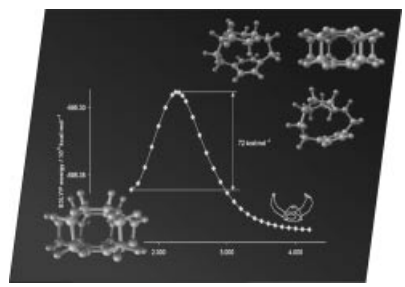
COVER PICTURE

The cover picture shows (1) the hypothetical hexahydrosuperphane, which according to high level quantum chemical calculations, should have a planar cyclohexane ring, (2) the dependence of its B3LYP energy on the extension of the cyclohexane C–C bond leading to the decomposition of the title compounds, and (3) two other hexahydrocyclophanes. The relatively high barrier to the concerted retro [2+2+2] decomposition of the title molecule shown indicates that it should be a plausible synthetic target. The calculated NMR chemical shifts of hexahydrosuperphane will be of importance in identifying the molecule after its synthesis. Details are discussed in the article by H. Dodziuk and M. Ostrowski on p. 5231 ff.



MICROREVIEW

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