



Structures and Conformations of Non-Rigid Molecules (Paperback)

By -

Springer, Netherlands, 2012. Paperback. Book Condition: New. 234 x 155 mm. Language: English . Brand New Book ***** Print on Demand *****.From the beginnings of modern chemistry, molecular structure has been a lively area of research and speculation. For more than half a century spectroscopy and other methods have been available to characterize the structures and shapes of molecules, particularly those that are rigid. However, most molecules are at least to some degree non-rigid and this non-rigidity plays an important role in such diverse areas as biological activity, energy transfer, and chemical reactivity. In addition, the large-amplitude vibrations present in non-rigid molecules give rise to unusual low-energy vibrational level patterns which have a dramatic effect on the thermodynamic properties of these systems. Only in recent years has a coherent picture of the energetics and dynamics of the conformational changes inherent in non-rigid (and semi-rigid) molecules begun to emerge. Advances have been made in a number of different experimental areas: vibrational (infrared and Raman) spectroscopy, rotational (microwave) spectroscopy, electron diffraction, and, most recently, laser techniques probing both the ground and excited electronic states. Theoretically, the proliferation of powerful computers coupled with scientific insight has allowed both empirical and ab initio methods...



READ ONLINE
[6.08 MB]

Reviews

This kind of pdf is every little thing and taught me to looking forward and more. It is one of the most incredible book i have read. You wont truly feel monotony at whenever you want of your time (that's what catalogs are for about should you check with me).

-- **Miss Amelie Fritsch DVM**

This type of publication is almost everything and taught me to hunting ahead plus more. It is writter in easy terms rather than difficult to understand. Your way of life period will likely be transform once you comprehensive looking at this ebook.

-- **Gladyce Reinger**