

عنوان مقاله:

Investigation of NMR Parameters of para-Sulfonato-calix[4]arene by HF Calculation

محل انتشار:

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خلاصه مقاله:

Conformationally-rigid para-sulfonato-calix[4]arene (C₂₈H₂₄O₁₆S₄) was isolated. The NMR parameters of the structure of calix[4]arenes have been compared. The study of organic structures to form nanoporous materials is a well-known chemical phenomena (supramolecular chemistry) that is necessary for finding the crystal forms of calix[4]arenes. We investigated and compared the hydrogen bonding, oxygen, and sulfur atom effects on calix[4]arene .via Hartree-fock(HF) theory by the Gaussian ۹۸ of program package

کلمات کلیدی:

Calix[4]arene, DFT, HF, Hydrogen bonding, Nanostructure, Chemical shift

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