

modern nmr spectroscopy pdf

Nuclear magnetic resonance (NMR) is a physical phenomenon in which nuclei in a strong static magnetic field are perturbed by a weak oscillating magnetic field (in the near field and therefore not involving electromagnetic waves) and respond by producing an electromagnetic signal with a frequency characteristic of the magnetic field at the nucleus. This process occurs near resonance, when the ...

Nuclear magnetic resonance - Wikipedia

Proton nuclear magnetic resonance (proton NMR, hydrogen-1 NMR, or ^1H NMR) is the application of nuclear magnetic resonance in NMR spectroscopy with respect to hydrogen-1 nuclei within the molecules of a substance, in order to determine the structure of its molecules. In samples where natural hydrogen (H) is used, practically all the hydrogen consists of the isotope ^1H (hydrogen-1; i.e ...

Proton nuclear magnetic resonance - Wikipedia

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