

Nuclear Magnetic Resonance: Special Interest in ^{67}Zn NMR

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Spectroscopy is the study of the interaction between matter and radiated energy. With it, chemists are able to characterize species and reactions. Nuclear magnetic resonance spectroscopy (NMR) is one of the most commonly used, which enables the examination of the structure, chemical environment, and other aspects of a molecule or reaction. While knowing how to interpret NMR spectroscopy is important, a necessity rises in knowing the inner workings of the machine. The most common NMR experiments are ^1H -NMR and ^{13}C -NMR. However, the technique is not limited to these nuclei. Isotopes such as ^{67}Zn can be observed and used with this phenomenon.