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Nuclear Magnetic Resonance (NMR) interpretation plays a pivotal role in molecular identifications. As interpreting NMR spectra, the structure of an unknown compound, as well as known structures, can be assigned by several factors such as chemical shift, spin multiplicity, coupling constants, and integration.

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While it does not provide a direct picture or image of the molecule, the NMR data can be interpreted to determine which atoms in a molecule are connected to which atoms, and whether these bonds connecting them are single, double, or triple bonds.

NMR DATA INTERPRETATION EXPLAINED - Startseite

Over the past fifty years nuclear magnetic resonance spectroscopy, commonly referred to as nmr, has become the preeminent technique for determining the structure of organic compounds. Of all the spectroscopic methods, it is the only one for which a complete analysis and interpretation of the entire spectrum is normally expected.

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