

## 13C NMR SPEKTROSKOPIE

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Predict 13C NMR spectra - cheminfo.org

Draw a chemical structure and click on "Calculate spectrum". You may also DRAG / DROP a molfile ! You will get an interactive NMR spectrum.

13C NMR Spectroscopy - an overview | ScienceDirect Topics

13C NMR Spectroscopy. 13C NMR spectroscopy is a powerful method for analysing the structure of co-polymers providing detailed information about their constitution, sequences, stereo- and regio-errors and chain end structures.

Carbon-13 nuclear magnetic resonance - Wikipedia

Carbon-13 (<sup>13</sup>C) nuclear magnetic resonance (most commonly known as carbon-13 NMR or <sup>13</sup>C NMR or sometimes simply referred to as carbon NMR) is the application of nuclear magnetic resonance (NMR) spectroscopy to carbon.

5.6: 13C-NMR spectroscopy - Chemistry LibreTexts

5.6A: The basics of <sup>13</sup>C-NMR spectroscopy. The magnetic moment of a <sup>13</sup>C nucleus is much weaker than that of a proton, meaning that NMR signals from <sup>13</sup>C nuclei are inherently much weaker than proton signals.

13C NMR - UCLA Chemistry and Biochemistry

The <sup>13</sup>C NMR is generated in the same fundamental way as proton NMR spectrum. Only 1.1 % of naturally occurring carbon is <sup>13</sup>C and actually an advantage because of less coupling.

Interpreting C-13 NMR spectra - chemguide

Interpreting c-13 nmr spectra? This page takes an introductory look at how you can get useful information from a C-13 NMR spectrum. Important: If you have come straight to this page via a search engine, you should be aware that this is the second of two pages about C-13 NMR.

13C+NMR | Carbon 13 Nuclear Magnetic Resonance - Scribd

Figure 13.1H and <sup>13</sup>C NMR compared: <sup>13</sup>C signals are spread over a much wider range than <sup>1</sup>H signals making it easier to identify and count individual nuclei Figure 13.23 (b) shows the <sup>13</sup>C spectrum. 23 (b) shows the <sup>13</sup>C spectrum.

Examples of 13C NMR Spectra - ANTHONY CRASTO SPECTROSCOPY

Generally in both <sup>13</sup>C and <sup>1</sup>H spectra, CH<sub>2</sub> groups fall

to lower field than CH<sub>3</sub>, which assigns the remaining peaks. For (b): The peak at lowest field is the C=O carbon, shifted by electronegativity and "diamagnetic anisotropy"

#### Human Metabolome Database: 13C NMR Spectrum (HMDB0032570)

This project is supported by the Canadian Institutes of Health Research, Canada Foundation for Innovation, and by The Metabolomics Innovation Centre (TMIC), a nationally-funded research and core facility that supports a wide range of cutting-edge metabolomic studies.

#### C-13 Chemical Shifts

NMR home . Shifts: H-1, F-19, P-31, Se-77 Coupling: J(HH), J(CH) Organic Chem Info. C-13 Chemical Shifts - -Explanation -Overview -Reference Abbreviations Acenaphthylene Acetal Acetylene - Substituent Effects Acetylene - Cl, Br, O ,S, Se, Te Subst Acetylene - Si, Ge, Sn, P, I Subst. Acetylenes

#### How2: Interpret a carbon-13 NMR spectrum

A carbon-13 NMR spectrum is useful in choosing between possible isomers. This video shows you how to interpret one.