



13C NMR of Organic Compounds, 2nd Edition

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DVD

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DESCRIPTION

13C NMR of Organic Compounds 2014 is a collection of the highest quality NMR spectral reference data available for reliable compound identification and can serve as the basis for accurate ^{13}C NMR prediction.

Collected and reviewed by Wolfgang Robien, each spectrum in *13C NMR of Organic Compounds 2014* contains carefully reviewed peak assignments, with a corresponding chemical structure and specific measurement and instrument parameters where available. Using proprietary quality assurance measures developed by the author and Wiley, this is the finest collection of ^{13}C NMR spectra available.

Applications include synthesis confirmation and identification of both " *known unknowns*" (compounds that are contained in the library) and the generation of predicted spectra to match against " *unknown unknowns*" (spectra that can be predicted by training a prediction algorithm with the library and then predicting the spectrum of a new structure for a compound that is not contained in the library). Spectral prediction is constrained only by the chemical diversity of the underlying library, the accuracy of the chemical structures and peak assignments, and the limitations of the spectral prediction algorithm.

Note fields include Name, Source, CSearch ID, Wiley ID, Citation, and Solvent.

Spectra:

- ^{13}C NMR Spectra: 268,000

- Structures: 268,000
- Compounds: 228,000
- Replicate Spectra: 40,000

Available online on Wiley Spectra Lab, with locally hosted formats available for purchase through ACD/Labs and Mestrelab software.

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