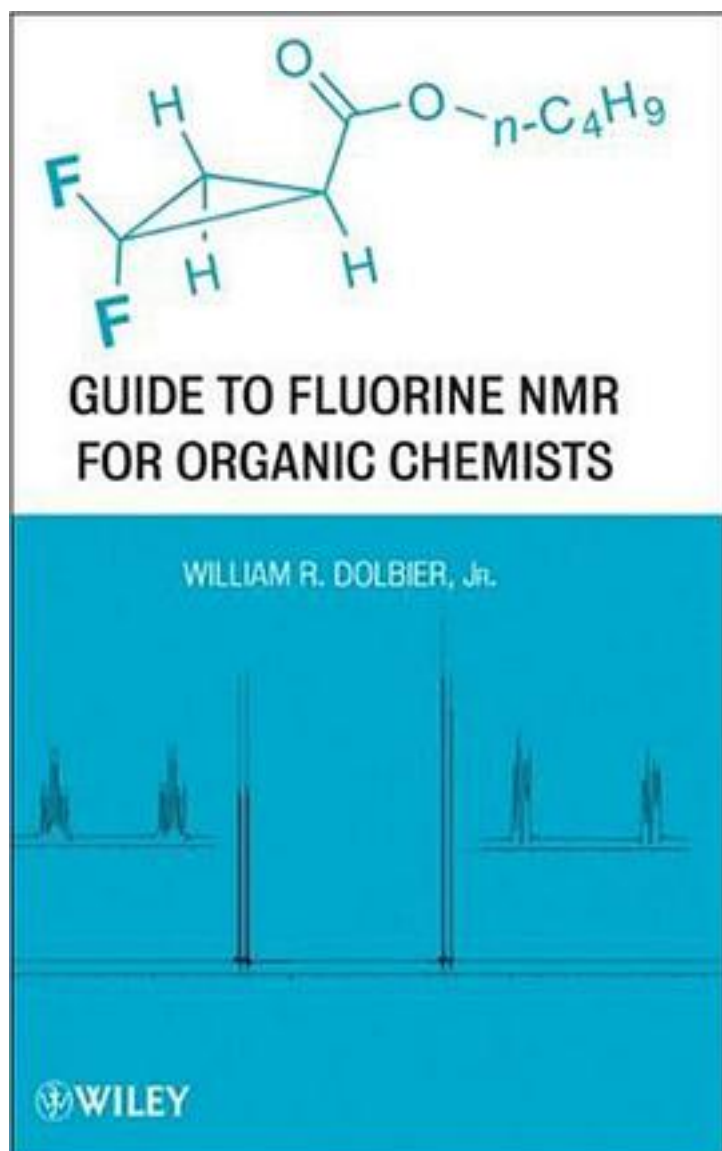


Guide to Fluorine NMR for Organic Chemists



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AN UNPARALLELED ONE-STOP GUIDE TO FLUORINE NMR Guide to Fluorine NMR for Organic Chemists provides a unique single source on both fluorine NMR and the impact of fluorine substituents on proton and carbon NMR spectra. Helping working chemists overcome the challenges associated with the synthetic methodologies of fluorinated compounds, this guide enables the effective use of these increasingly popular spectroscopic techniques to accurately characterize compounds that contain fluorine. Following a thorough introduction of fluorinated compounds, chapters in the text cover: An overview of fluorine NMR The single fluorine substituent The CF₂ group The trifluoromethyl group More heavily fluorinated compounds Compounds and substituents with fluorine directly bound to heteroatoms With unparalleled depth and completeness, the coverage ranges from those compounds containing only a few fluorinated substituents, typically employed in pharmaceutical and agricultural applications, to more heavily fluorinated compounds. Featuring NMR data for more than 1,000 specific compounds and including more than 100 exemplary spectra, Guide to Fluorine NMR for Organic Chemists gives the working chemist and advanced student an essential tool for understanding cutting-edge NMR techniques and interpreting the resulting spectroscopic data.

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