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Sommario/riassunto

This reference describes the chemistry of organocalcium compounds that contain a Ca-C -bond. It collects the information about this niche group of organometallic compounds into 4 easy-to-read chapters. It is intended for scholars in the field of organic chemistry, and researchers in industrial chemistry and chemical engineering departments. Key features: - Presents a comparison to homologous compounds of other alkaline earth metals. - Explains the main problems encountered in the synthesis of organocalcium compounds with reference to the reactivity of calcium, the low solubility in common solvents and the high reactivity of the formed intermediates and products - Highlights many concepts about the Ca-C bond such as the steric hindrance, degrading agent properties, organocalcium spectroscopy, and more.
