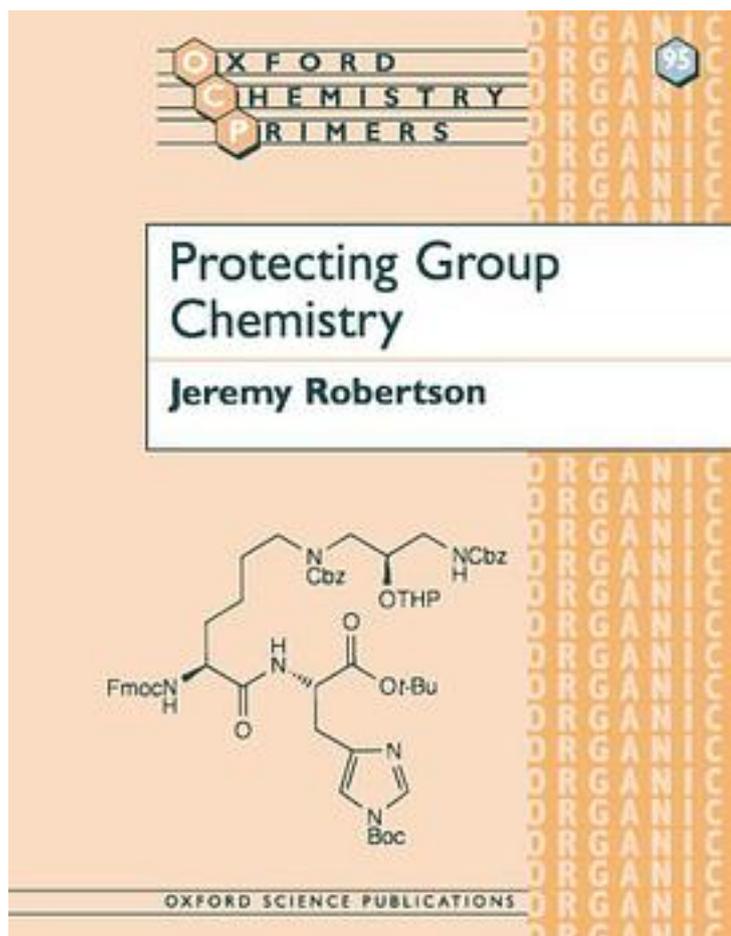


Protecting Group Chemistry



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"Protecting Group Chemistry" provides an overview of the general methods that are used to block the reactivity of - i.e. protect - specific functional groups thus allowing others, present within the same molecule, to be manipulated unambiguously. An

introductory chapter outlines protecting group strategy, relevant aspects of functional group reactivity, temporary protection, and introduces the concept of protecting group devices as an aid to unifying the wide range of available methods. The rest of the book is divided on the basis of broad classes of the experimental conditions that lead to cleavage of each protecting group (acid/electrophile, base/nucleophile, oxidising or reducing agent). The treatment differs from traditional texts in that it places the emphasis on making a connection between the fundamental mechanisms of organic chemistry - ionisation, substitution, addition, elimination, oxidation and reduction, etc. - and how a particular protecting group can best be selected in a given situation.

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