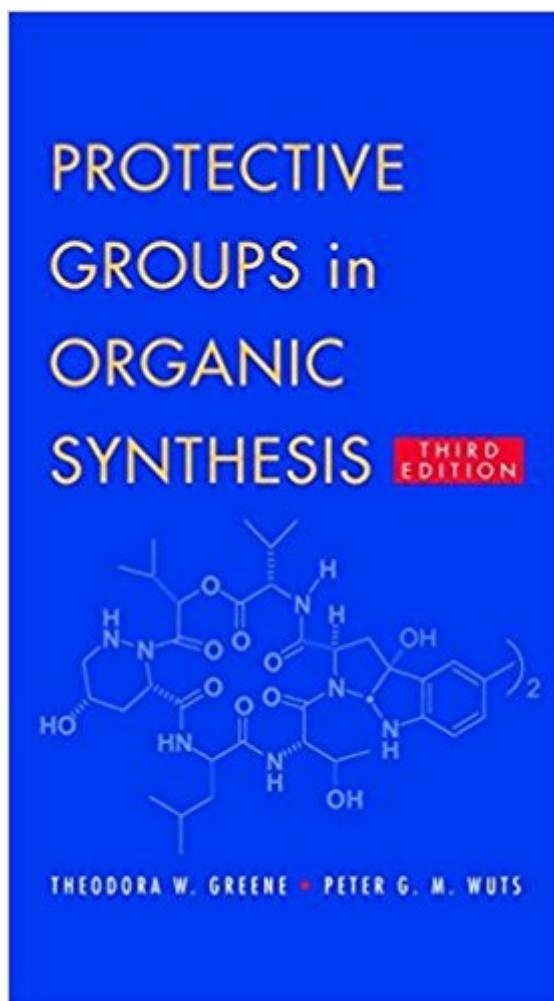


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# Protective Groups In Organic Synthesis



## Synopsis

From the reviews of the previous editions: \* "For completeness, the authors . . . include protective groups and techniques for formation and cleavage that are seldom used as well as those that are more common. . . . Anyone who does organic synthesis must have convenient access to this book." -Journal of the American Chemical Society. \* "Essential to the modern synthetic organic chemist . . . should be in the libraries of all academic, governmental, and industrial organizations concerned with organic synthesis." -Polymer News. Reflecting the latest advances in protective group methodology, this Third Edition of the proven laboratory reference is expanded by more than 50%, providing readers with a comprehensive compendium of 1,050 of the most useful protective groups as well as 5,350 references to original publications. Protective groups are organized by six major organic functional groups: hydroxyl, amino, carboxyl, carbonyl, sulfhydryl, and phosphate groups (the last new to this edition). Also added in this edition are protection of the alkyne-CH, expanded coverage of protection of all groups, and many new enzymatic methods of protection and deprotection. Each chapter briefly describes the classes of available protective groups, followed by an in-depth look at the chemistry of individual protective groups, their properties, and the best methods of formation and cleavage. Ten reactivity charts with more than 28,000 entries summarize the relative reactivities of 270 commonly used protective groups with 108 reagents. This book will be an indispensable reference for synthetic chemists and students.

## Book Information

Hardcover: 816 pages

Publisher: Wiley-Interscience; 3 edition (April 23, 1999)

Language: English

ISBN-10: 0471160199

ISBN-13: 978-0471160199

Product Dimensions: 6.1 x 1.6 x 9.9 inches

Shipping Weight: 2.7 pounds

Average Customer Review: 4.7 out of 5 stars 22 customer reviews

Best Sellers Rank: #1,943,112 in Books (See Top 100 in Books) #27 in Books > Science & Math > Chemistry > Organic > Synthesis #1333 in Books > Science & Math > Chemistry > Physical & Theoretical #2339 in Books > Engineering & Transportation > Engineering > Chemical

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"An essential bible for the library or personal bookshelf of chemists performing complex synthesis."

(CHOICE, May 2007) "...the most up-to-date compilation available...should be an integral part of all institutional libraries...it is also highly recommended that individuals...maintain their own copy..." (Journal of Medicinal Chemistry, March 8, 2007) "...continues to be a comprehensive guide to the techniques for the formation and cleavage of protective groups." (Journal of the American Chemical Society, January 31, 2007) --This text refers to an out of print or unavailable edition of this title.

From the reviews of the previous editions: \* "For completeness, the authors . . . include protective groups and techniques for formation and cleavage that are seldom used as well as those that are more common. . . . Anyone who does organic synthesis must have convenient access to this book." -Journal of the American Chemical Society. \* "Essential to the modern synthetic organic chemist . . . should be in the libraries of all academic, governmental, and industrial organizations concerned with organic synthesis." -Polymer News. Reflecting the latest advances in protective group methodology, this Third Edition of the proven laboratory reference is expanded by more than 50%, providing readers with a comprehensive compendium of 1,050 of the most useful protective groups as well as 5,350 references to original publications. Protective groups are organized by six major organic functional groups: hydroxyl, amino, carboxyl, carbonyl, sulfhydryl, and phosphate groups (the last new to this edition). Also added in this edition are protection of the alkyne-CH, expanded coverage of protection of all groups, and many new enzymatic methods of protection and deprotection. Each chapter briefly describes the classes of available protective groups, followed by an in-depth look at the chemistry of individual protective groups, their properties, and the best methods of formation and cleavage. Ten reactivity charts with more than 28,000 entries summarize the relative reactivities of 270 commonly used protective groups with 108 reagents. This book will be an indispensable reference for synthetic chemists and students.

As a trained carbohydrate chemist, I deal with protecting groups on a daily basis, and "Greene's" is always on my desk. Well organized and referenced, I invested in my own copy because I know it will be a useful reference through my career.

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A great reference for any protection/deprotection!

Book was in better condition than I expected. The book lists out basic protection and deprotection chemistry for alcohols, carbonyls, carboxyls, thiols, and amines. Great reference with lots of procedures.

Great companion for any organic chemist going through grad school. You must have it.

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it helps a lot in total synthesis and all other chemical applications related to specific synthesis and modifications of molecules

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