Record Nr. UNINA9910132176003321 Autore Smith Michael <1946 October 17-> **Titolo** Compendium of organic synthetic methods. Volume 13 / / Michael B. Smith Pubbl/distr/stampa Hoboken, New Jersey:,: John Wiley & Sons, Inc.,, 2014 ©2014 **ISBN** 1-118-79150-9 1-118-79167-3 1-118-79155-X Descrizione fisica 1 online resource (743 p.) Collana Compendium of Organic Synthetic Methods 547/.2 Disciplina Soggetti Organic compounds - Synthesis Lingua di pubblicazione Inglese Materiale a stampa **Formato** Livello bibliografico Monografia Note generali Includes index. Nota di contenuto Cover; Title Page; Copyright Page; TABLE OF CONTENTS; PREFACE; INTRODUCTION: INDEX, MONOFUNCTIONAL COMPOUNDS: INDEX, DIFUNCTIONAL COMPOUNDS; ABBREVIATIONS; ABOUT THE AUTHOR; 1 PREPARATION OF ALKYNES; SECTION 1: ALKYNES FROM ALKYNES; SECTION 2: ALKYNES FROM ACID DERIVATIVES; SECTION 3: ALKYNES FROM ALCOHOLS AND THIOLS: SECTION 4: ALKYNES FROM ALDEHYDES: SECTION 5: ALKYNES FROM ALKYLS, METHYLENES, AND ARYLS: SECTION 6: ALKYNES FROM AMIDES; SECTION 7: ALKYNES FROM AMINES; SECTION 8: ALKYNES FROM ESTERS; SECTION 9: ALKYNES FROM ETHERS, EPOXIDES, AND THIOETHERS SECTION 10: ALKYNES FROM HALIDES AND SULFONATESSECTION 11: ALKYNES FROM HYDRIDES; SECTION 12: ALKYNES FROM KETONES; SECTION 13: ALKYNES FROM NITRILES; SECTION 14: ALKYNES FROM ALKENES; SECTION 15: ALKYNES FROM MISCELLANEOUS COMPOUNDS; SECTION 15A: PROTECTION OF ALKYNES; 2 PREPARATION OF ACID DERIVATIVES; SECTION 16: ACID DERIVATIVES FROM ALKYNES; SECTION 17: ACID DERIVATIVES FROM ACID DERIVATIVES; SECTION 18: ACID DERIVATIVES FROM ALCOHOLS AND THIOLS: SECTION 19: ACID DERIVATIVES FROM ALDEHYDES; SECTION 20: ACID DERIVATIVES FROM

ALKYLS, METHYLENES, AND ARYLS

SECTION 21: ACID DERIVATIVES FROM AMIDESSECTION 22: ACID

DERIVATIVES FROM AMINES: SECTION 23: ACID DERIVATIVES FROM ESTERS: SECTION 24: ACID DERIVATIVES FROM ETHERS, EPOXIDES, AND THIOETHERS: SECTION 25: ACID DERIVATIVES FROM HALIDES AND SULFONATES; SECTION 26: ACID DERIVATIVES FROM HYDRIDES; SECTION 27: ACID DERIVATIVES FROM KETONES; SECTION 28: ACID DERIVATIVES FROM NITRILES; SECTION 29: ACID DERIVATIVES FROM ALKENES; SECTION 30: ACID DERIVATIVES FROM MISCELLANEOUS COMPOUNDS; SECTION 30A: PROTECTION OF CARBOXYLIC ACID DERIVATIVES: 3 PREPARATION OF ALCOHOLS AND TRIOLS SECTION 31: ALCOHOLS AND THIOLS FROM ALKYNESSECTION 32: ALCOHOLS AND THIOLS FROM ACID DERIVATIVES; SECTION 33: ALCOHOLS AND THIOLS FROM ALCOHOL AND THIOLS; SECTION 34: ALCOHOLS AND THIOLS FROM ALDEHYDES; SECTION 34A: REDUCTIONS OF ALDEHYDES TO ALCOHOLS; SECTION 34B: ALKYLATION OF ALDEHYDES, FORMING ALCOHOLS; ASYMMETRIC ALKYLATIONS; NON-ASYMMETRIC ALKYLATIONS; SECTION 35: ALCOHOLS AND THIOLS FROM ALKYLS, METHYLENES, AND ARYLS; SECTION 36: ALCOHOLS AND THIOLS FROM AMIDES: SECTION 37: ALCOHOLS AND THIOLS FROM AMINES: SECTION 38: ALCOHOLS AND THIOLS FROM ESTERS SECTION 39: ALCOHOLS AND THIOLS FROM ETHERS, EPOXIDES, AND THIOETHERSSECTION 40: ALCOHOLS AND THIOLS FROM HALIDES AND SULFONATES: SECTION 41: ALCOHOLS AND THIOLS FROM HYDRIDES: SECTION 42: ALCOHOLS AND THIOLS FROM KETONES; SECTION 42A: REDUCTION OF KETONES TO ALCOHOLS: ASYMMETRIC REDUCTION: NON-ASYMMETRIC REDUCTION; SECTION 42B: ALKYLATION OF KETONES, FORMING ALCOHOLS: ASYMMETRIC ALKYLATION: NON-ASYMMETRIC ALKYLATION: SECTION 43: ALCOHOLS AND THIOLS FROM NITRILES: SECTION 44: ALCOHOLS AND THIOLS FROM ALKENES: SECTION 45: ALCOHOLS AND THIOLS FROM MISCELLANEOUS **COMPOUNDS** SECTION 45A: PROTECTION OF ALCOHOLS AND THIOLS

Sommario/riassunto

The Compendium of Organic Synthetic Methods serves as a handy desktop reference for organic chemists to browse new reactions and transformations of interest, facilitating the search for functional group transformations in the original literature of organic chemistry. Volume 13 contains both functional group transformations and carbon-carbon bond forming reactions from the literature in the years 2005-8. It presents examples of published reactions for the preparation of monofunctional compounds. The Compendium of Organic Synthetic Methods series facilitates the search for q