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Altri autori (Persone)	WitczakZbigniew J. <1947-> BielskiRoman <1946->
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Nota di contenuto	Paradigm and advantage of carbohydrate click chemistry strategy for future decoupling thio-click chemistry of carbohydrates / Roman Bielski, Zbigniew J. Witczak -- Thio-click chemistry overviews and perspectives / Zbigniew J. Witczak -- Free-radical photoinduced thiol-Ene and thiol-Yne coupling as click processes for glycoconjugation : carbohydrate click chemistry for novel synthetic targets / Alessandro Dondoni, Alberto Marra -- The development and application of clickable lipid analogs for elucidating lipid function / Michael Best -- Clicking sugars onto sugars : oligosaccharide analogue and glycoclusters on carbohydrate scaffolds / Maria Laura Uhrig, Jose Kovensky -- Click multivalent glycomaterials : glycoclusters, glycodendrimers, glycopolymers, hybrid glycomaterials, and glycosurfaces / Carmen Ortiz Mellet ... [et al.] -- Toward imaging glycotools by click coupling / Yves Chapleur, Christine Vala, Sandrine

Lamande-Langle -- Bioorthogonal reactions for labeling glycoconjugates / Frederic Friscourt, Geert-Jan Boons -- Sweet sucrose macrocycles via click chemistry route : carbohydrate click chemistry in biomedical sciences / Mykhaylo A. Potopnyk, Slawomir Jarosz -- Neoglycoprotein synthesis using copper-catalyzed azide-alkyne click reaction and native chemical ligation / Joanna M. Wojnar ... [et al.] -- Click-modified cyclodextrin for biomedical application / Dang Wang -- Traizolyl glycoconjugates in medicinal chemistry / Rama Pati Tripathi ... [et al.] -- Click chemistry applied to carbohydrate-based drug discovery / Vanness Leiria Campo, Ivone Carvalho.

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Sommario/riassunto

Lays the foundation for new methods and applications of carbohydrate click chemistry Introduced by K. Barry Sharpless of The Scripps Research Institute in 2001, click chemistry mimics nature, giving researchers the tools needed to generate new substances quickly and reliably by joining small units together. With contributions from more than thirty pioneering researchers in the field, this text explores the many promising applications of click chemistry in glycoscience. Readers will learn both the basic concepts of carbohydrate click chemistry as well as its many biomedical appl

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