

Recent advances in the synthesis of 2-deoxy-glycosides

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Stereoselective Tandem Epoxidation-Alcoholysis/Hydrolysis of Glycals with Molybdenum Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3407-3418.	2.1	14
4	Gold(I)-Catalyzed Glycosylation with Glycosyl <i>ortho</i> -Alkynylbenzoates as Donors: General Scope and Application in the Synthesis of a Cyclic Triterpene Saponin. <i>Chemistry - A European Journal</i> , 2010, 16, 1871-1882.	1.7	206
6	Fluorine-Directed Glycosylation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8724-8728.	7.2	109
7	Synthesis of 5-deoxy- β -D-galactofuranosides as tools for the characterization of β -D-galactofuranosidases. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 5339-5345.	1.4	13
8	Solid-phase de novo synthesis of a (\pm)-2-deoxy-glycoside. <i>Carbohydrate Research</i> , 2010, 345, 844-849.	1.1	8
9	An efficient method for the selective synthesis of 2-deoxy-2-iodo-glycosides by O-glycosidation of d-glucal using I_2 -Cu(OAc) $_2$. <i>Carbohydrate Research</i> , 2010, 345, 2401-2407.	1.1	18
10	β -Selective Arabinofuranosylation Using a 2,3-O-Xylylene-Protected Donor. <i>Organic Letters</i> , 2010, 12, 3686-3689.	2.4	60
11	Methodology Development and Physical Organic Chemistry: A Powerful Combination for the Advancement of Glycochemistry. <i>Journal of Organic Chemistry</i> , 2011, 76, 9193-9209.	1.7	114
12	Cyclopropenium Cation Promoted Dehydrative Glycosylations Using 2-Deoxy- and 2,6-Dideoxy-Sugar Donors. <i>Organic Letters</i> , 2011, 13, 2814-2817.	2.4	64
13	Hydrolysis of Glycosides with Microgel Catalysts. <i>Inorganic Chemistry</i> , 2011, 50, 8869-8878.	1.9	25
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15	Stereoselective glycosylation of endo-glycals by microwave- and AlCl_3 -assisted catalysis. <i>Tetrahedron</i> , 2011, 67, 6362-6368.	1.0	30
16	Synthesis and Biological Activities of a 3'-Azido Analogue of Doxorubicin Against Drug-Resistant Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2012, 13, 3671-3684.	1.8	14
17	Recent Advances in the Synthesis of Natural 2-Deoxy- β -glycosides. <i>Journal of Carbohydrate Chemistry</i> , 2012, 31, 255-283.	0.4	82
18	Facile TMSOTf-catalyzed preparation of 2-deoxy β -O-aryl-D-glycosides from glycosyl acetates. <i>Glycoconjugate Journal</i> , 2012, 29, 453-456.	1.4	9
19	The diazofluorene antitumor antibiotics: Structural elucidation, biosynthetic, synthetic, and chemical biological studies. <i>Natural Product Reports</i> , 2012, 29, 87-118.	5.2	70
20	Recent Advances in Transition Metal-Catalyzed Glycosylation. <i>ACS Catalysis</i> , 2012, 2, 1563-1595.	5.5	168
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23	Highly Selective Organocatalytic Synthesis of 2-Deoxygalactosides. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9152-9155.	7.2	148
24	Microwave-Assisted Regioselective Benzoylation: An Access to Glycal Derivatives with a Free Hydroxyl Group at C4. <i>Journal of Carbohydrate Chemistry</i> , 2012, 31, 593-601.	0.4	7
25	Halide Effects on Cyclopropenium Cation Promoted Glycosylation with Deoxy Sugars: Highly Selective Glycosylations Using a 3,3-Dibromo-1,2-diphenylcyclopropene Promoter. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4927-4930.	1.2	43
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28	Chemical Synthesis of the Cardiotonic Steroid Glycosides and Related Natural Products. <i>Chemistry - A European Journal</i> , 2012, 18, 3092-3120.	1.7	82
29	Reagent Controlled 1,2-Specific Dehydrative Glycosylation Reactions with 2-Deoxy-Sugars. <i>Organic Letters</i> , 2013, 15, 4170-4173.	2.4	73
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34	Gold-Catalyzed Synthesis of 2-Deoxy Glycosides Using <i>S</i> -But-3-ynyl Thioglycoside Donors. <i>ACS Catalysis</i> , 2013, 3, 57-60.	5.5	73
35	Tackling the Challenges in the Total Synthesis of Landomycin A. <i>Chemical Record</i> , 2013, 13, 70-84.	2.9	11
36	Highly Stereoselective Glycosyl-Chloride-Mediated Synthesis of 2-Deoxyglucosides. <i>Chemistry - A European Journal</i> , 2013, 19, 846-851.	1.7	39
37	Umpolung Reactivity in the Stereoselective Synthesis of 1,2-Linked 2-Deoxyglycosides. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8012-8016.	7.2	67
40	Synthesis of 2-deoxygalactopyranoside derivatives of benzyl alcohols with 1,2-galactosidase from <i>Aspergillus oryzae</i> . <i>Biocatalysis and Biotransformation</i> , 2014, 32, 290-294.	1.1	1
41	Stereoselective Synthesis of 1,2-Linked 2-Deoxy Glycosides Enabled by Visible-Light-Mediated Reductive Deiodination. <i>Chemistry - A European Journal</i> , 2014, 20, 17319-17323.	1.7	52
42	Matched/Mismatched Interactions in Chiral Brønsted Acid-Catalyzed Glycosylation Reactions with 2-Deoxy-Sugar Trichloroacetimidate Donors. <i>Journal of Carbohydrate Chemistry</i> , 2014, 33, 423-434.	0.4	40

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47	Stereoselective Synthesis of Î±-Digitoxosides and Î±-Boivinosides via Chelation-Controlled Anomeric O-Alkylation. <i>Journal of Carbohydrate Chemistry</i> , 2014, 33, 438-451.	0.4	29
48	6.01 Synthesis of Glycosides. , 2014, , 1-33.		2
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57	Organokatalytische Glycosylierung durch elektronenarme Pyridiniumsalze. <i>Angewandte Chemie</i> , 2015, 127, 12656-12660.	1.6	25
58	Organocatalytic Glycosylation by Using Electron-Deficient Pyridinium Salts. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12479-12483.	7.2	65
59	Organocatalyzed Glycosylation Reactions of Carbohydrates. <i>Springer Briefs in Molecular Science</i> , 2015, , 67-93.	0.1	0
60	ortho-(Methyltosylaminoethynyl)benzyl glycosides as new glycosyl donors for latent-active glycosylation. <i>Chemical Communications</i> , 2015, 51, 13957-13960.	2.2	49
61	O-Glycosylation methods in the total synthesis of complex natural glycosides. <i>Natural Product Reports</i> , 2015, 32, 1331-1355.	5.2	158

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63	Synthesis and antibacterial properties of 2,3-dideoxyglucosides of terpene alcohols and phenols. <i>Food Chemistry</i> , 2015, 185, 192-199.	4.2	22
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65	TMSBr-mediated solvent- and work-up-free synthesis of 1,2-deoxyglycosides from glycols. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1758-1764.	1.3	20
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68	Reagent-Controlled 1,2-Selective Dehydrative Glycosylation of 2,6-Dideoxy- and 2,3,6-Trimethoxy Sugars. <i>Angewandte Chemie</i> , 2016, 128, 10242-10246.	1.6	18
69	Chemical O-Glycosylations: An Overview. <i>ChemistryOpen</i> , 2016, 5, 401-433.	0.9	111
71	Reagent-Controlled 1,2-Selective Dehydrative Glycosylation of 2,6-Dideoxy- and 2,3,6-Trimethoxy Sugars. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10088-10092.	7.2	54
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78	Recent progress on the synthesis of 2-deoxy glycosides. <i>Science China Chemistry</i> , 2017, 60, 1162-1179.	4.2	51
79	Cooperative Brønsted Acid-Type Organocatalysis for the Stereoselective Synthesis of Deoxyglycosides. <i>Journal of Organic Chemistry</i> , 2017, 82, 407-414.	1.7	58
80	Recent Advances in Organocatalytic Glycosylations. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6247-6264.	1.2	76
81	2-Deoxyglycosyl 3-benzoylpropionates as novel donors for the direct and stereoselective synthesis of 2-deoxy-glycosides. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2248-2257.	1.5	10

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84	An Improved Approach to the Direct Construction of 2-Deoxy-Linked Sugars: Applications to Oligosaccharide Synthesis. <i>Chemistry - A European Journal</i> , 2018, 24, 7610-7614.	1.7	35
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97	Tris(Pentafluorophenyl)Borane-Driven Stereoselective <i>d</i> -Glycosylation with Glycal Donors under Mild Condition. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 549-554.	1.3	11
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99	A Convergent Synthetic Strategy towards Oligosaccharides containing 2,3,6- <i>Trideoxy</i> pyranoglycosides. <i>Angewandte Chemie</i> , 2019, 131, 638-641.	1.6	6

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100	A Convergent Synthetic Strategy towards Oligosaccharides containing 2,3,6- α -Trideoxypyranoglycosides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 628-631.	7.2	22
101	Flexible Total Synthesis of 11-Deoxyandomycins and Their Non-Natural Analogues by Way of Asymmetric Metal Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2349-2353.	7.2	25
102	Flexible Total Synthesis of 11-Deoxyandomycins and Their Non-Natural Analogues by Way of Asymmetric Metal Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 2369-2373.	1.6	6
103	C1 Oxidation/C2 Reduction Isomerization of Unprotected Aldoses Induced by Light/Ketone. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2755-2759.	7.2	33
104	Total Synthesis of the Monomeric Unit of Lomaiviticin A. <i>Journal of the American Chemical Society</i> , 2020, 142, 20201-20207.	6.6	18
105	Conformationally Constrained Glycosyl Donors as Tools to Control Glycosylation Outcomes. <i>Journal of Organic Chemistry</i> , 2020, 85, 15801-15826.	1.7	27
106	Stereoselective Electrodeoxyglycosylation from Glycals. <i>Angewandte Chemie</i> , 2020, 132, 15316-15320.	1.6	11
107	Stereoselective Electrodeoxyglycosylation from Glycals. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15204-15208.	7.2	39
108	Copper(II)-catalyzed stereoselective 1,2-addition vs. Ferrier glycosylation of α -armed and α -disarmed glycal donors. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4848-4862.	1.5	14
109	C1 Oxidation/C2 Reduction Isomerization of Unprotected Aldoses Induced by Light/Ketone. <i>Angewandte Chemie</i> , 2020, 132, 2777-2781.	1.6	5
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113	Convergent Synthesis of Tetrasaccharide Fragment of Cervimycin K. <i>Organic Letters</i> , 2021, 23, 4468-4472.	2.4	4
114	Photolabile Protecting Group-Mediated Synthesis of 2-Deoxyglycosides. <i>Chinese Journal of Chemistry</i> , 2021, 39, 3309-3314.	2.6	14
115	Rhenium(V)-catalyzed synthesis of 1,1 α -2-deoxy thioglycosides. <i>Carbohydrate Research</i> , 2021, 508, 108415.	1.1	8
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119	4,5-Dioxo-imidazolium Cation-Promoted β -Selective Dehydrative Glycosylation of 2-Deoxy- and 2,6-Dideoxy Sugars. <i>Journal of Organic Chemistry</i> , 2022, 87, 3718-3729.	1.7	5
120	Synthesis of the β -Linked Digitoxose Trisaccharide Fragment of Kijanimicin: An Unexpected Application of Glycosyl Sulfonates. <i>Organic Letters</i> , 2022, 24, 731-735.	2.4	6
121	Catalytic stereoselective synthesis of 2-deoxy β -glycosides using glycosyl <i>ortho</i> -[1-(<i>p</i> -MeOPhenyl)Vinyl]Benzoate (PMPVB) donors. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1874-1878.	1.5	5
122	β -Diphenylphosphinoyl acetyl as a Remote Directing Group for the Highly Stereoselective Synthesis of β -Glycosides. <i>Chinese Journal of Chemistry</i> , 2022, 40, 443-452.	2.6	18
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124	Direct Synthesis of 2,6-Dideoxy β -Glycosides and β -Rhamnosides with a Stereodirecting β -(Diphenylphosphinoyl)acetyl Group. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	9
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126	Direct Synthesis of 2,6-Dideoxy β -Glycosides and β -Rhamnosides with a Stereodirecting β -(Diphenylphosphinoyl)acetyl Group. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1
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129	Influence of Various Silyl Protecting Groups on Stereoselective 2-Deoxyrhamnosylation. <i>Journal of Organic Chemistry</i> , 0, , .	1.7	0
130	Stereoselective glycosylation reactions with 2-deoxyglucose: A computational study of some catalysts. <i>Computational and Theoretical Chemistry</i> , 2023, 1224, 114122.	1.1	0
131	Ferrier/Aza-Wacker/Epoxidation/Glycosylation (FAWEG) Sequence to Access 1,2- <i>Trans</i> -3-Amino-3-deoxyglycosides. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	1
132	Reversible-Hydrogen-Transfer-Mediated Anomerization of Azaheterocyclyl 2-Deoxy- <i>C</i> -glycosides and Mechanistic Studies. <i>ACS Catalysis</i> , 2023, 13, 5656-5664.	5.5	6
133	Regio and Stereoselective One-Pot Synthesis of 2-Deoxy-3-thio Pyranoses and Their <i>O</i> -Glycosides from Glycals. <i>Journal of Organic Chemistry</i> , 0, , .	1.7	0