

A common sugarâ€nucleotideâ€mediated mechanism of  
biosynthesis, as evidenced by 6Fâ€GalNAc (Ac <sub>3</sub>/

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Surface Proteoglycans as Mediators in Bacterial Pathogens Infections. <i>Frontiers in Microbiology</i> , 2016, 7, 220.	1.5	60
2	Synthesis and in vitro cytotoxicity of acetylated 3-fluoro, 4-fluoro and 3,4-difluoro analogs of D-glucosamine and D-galactosamine. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 750-759.	1.3	20
3	The glycocalyx and its significance in human medicine. <i>Journal of Internal Medicine</i> , 2016, 280, 97-113.	2.7	301
4	Synthesis of Protected 3-Deoxy-3-fluoro- and 4-Deoxy-4-fluoro- $\alpha$ -D-galactopyranosides from Levoglucosan. <i>Journal of Organic Chemistry</i> , 2017, 82, 4986-4992.	1.7	14
5	Small Molecule Antagonist of Cell Surface Glycosaminoglycans Restricts Mouse Embryonic Stem Cells in a Pluripotent State. <i>Stem Cells</i> , 2018, 36, 45-54.	1.4	14
6	Thioglycosides Are Efficient Metabolic Decoys of Glycosylation that Reduce Selectin Dependent Leukocyte Adhesion. <i>Cell Chemical Biology</i> , 2018, 25, 1519-1532.e5.	2.5	27
7	Chemical synthesis of 4-azido- $\beta$ -D-galactosamine derivatives for inhibitors of N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase. <i>Glycoconjugate Journal</i> , 2018, 35, 477-491.	1.4	3
8	Targeting the Chondroitin Sulfate Proteoglycans: Evaluating Fluorinated Glucosamines and Xylosides in Screens Pertinent to Multiple Sclerosis. <i>ACS Central Science</i> , 2019, 5, 1223-1234.	5.3	29
9	Multi-gram scale synthesis of a bleomycin (BLM) carbohydrate moiety: exploring the antitumor beneficial effect of BLM disaccharide attached to 10-hydroxycamptothecin (10-HCPT). <i>New Journal of Chemistry</i> , 2019, 43, 6010-6020.	1.4	8
10	Probing deoxysugar conformational preference: A comprehensive computational study investigating the effects of deoxygenation. <i>Carbohydrate Research</i> , 2019, 475, 17-26.	1.1	4
11	Human carbonic anhydrases and post-translational modifications: a hidden world possibly affecting protein properties and functions. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 1450-1461.	2.5	19
12	Robustness in glycosylation systems: effect of modified monosaccharides, acceptor decoys and azido sugars on cellular nucleotide-sugar levels and pattern of N-linked glycosylation. <i>Molecular Omics</i> , 2020, 16, 377-386.	1.4	13
13	Targeting Glycosylation: A New Road for Cancer Drug Discovery. <i>Trends in Cancer</i> , 2020, 6, 757-766.	3.8	155
14	Metabolic Engineering of Glycans. , 2021, , 275-287.		0
15	The Role of Fluorine in Glycomimetic Drug Design. <i>Chemistry - A European Journal</i> , 2021, 27, 2240-2253.	1.7	46
16	Efficient inhibition of O-glycan biosynthesis using the hexosamine analog Ac5GalNTGc. <i>Cell Chemical Biology</i> , 2021, 28, 699-710.e5.	2.5	11
17	Synthesis of multiply fluorinated $\alpha$ -N-acetyl-D-glucosamine and D-galactosamine analogs via the corresponding deoxyfluorinated glucosazide and galactosazide phenyl thioglycosides. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 1086-1095.	1.3	5
18	Chemical Biology Tools for Modulating and Visualizing Gram-Negative Bacterial Surface Polysaccharides. <i>ACS Chemical Biology</i> , 2021, 16, 1841-1865.	1.6	8

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19	The effect of deoxyfluorination and <i>O</i> -acylation on the cytotoxicity of <i>N</i> -acetyl-gluco- and <i>N</i> -galactosamine hemiacetals. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4497-4506.	1.5	4
23	Dynamic tracing of sugar metabolism reveals the mechanisms of action of synthetic sugar analogs. <i>Glycobiology</i> , 2022, 32, 239-250.	1.3	15
25	Post-translational modifications in tumor-associated carbonic anhydrases. <i>Amino Acids</i> , 2022, 54, 543-558.	1.2	7
26	Termination of Poly- <i>N</i> -acetylglucosamine (PNAG) Polymerization with <i>N</i> -Acetylglucosamine Analogues. <i>ACS Chemical Biology</i> , 2022, 17, 3036-3046.	1.6	4
27	Role of the Mosaic Cisternal Maturation Machinery in Glycan Synthesis and Oncogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 842448.	1.8	2
28	4-Deoxy-4-fluoro-GalNAz (4FGalNAz) Is a Metabolic Chemical Reporter of O-GlcNAc Modifications, Highlighting the Notable Substrate Flexibility of O-GlcNAc Transferase. <i>ACS Chemical Biology</i> , 2022, 17, 159-170.	1.6	6
29	Specific Components Associated With the Endothelial Glycocalyx Are Lost From Brain Capillaries in Cerebral Malaria. <i>Journal of Infectious Diseases</i> , 2022, 226, 1470-1479.	1.9	2