

Stabilization of Branched Oligosaccharides: Lewis<sup>> Nonconventional C-H \cdots O Hydrogen Bond

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Chair interconversion and reactivity of mannuronic acid esters. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 8127.	1.5	20
2	Fucosylated Chondroitin Sulfates from the Body Wall of the Sea Cucumber <i>Holothuria forskali</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 28284-28298.	1.6	88
3	The Evolution of a Glycoconjugate Vaccine for <i>Candida albicans</i> . <i>Topics in Medicinal Chemistry</i> , 2014, , 187-234.	0.4	1
4	Carbohydrates. <i>Topics in Current Chemistry</i> , 2014, 364, 299-333.	4.0	19
5	Carbohydrates as Drugs. <i>Topics in Medicinal Chemistry</i> , 2014, , .	0.4	6
6	Interaction between temozolomide and water: Preferred binding sites. <i>Computational and Theoretical Chemistry</i> , 2014, 1034, 26-31.	1.1	21
7	Computational Study of the Formation of Short Centrosymmetric Nâ€“Hâ€“S Supramolecular Synthons and Related Weak Interactions in Crystalline 1,2,4-Triazoles. <i>Crystal Growth and Design</i> , 2014, 14, 5881-5896.	1.4	27
8	Structural Characterization of the DC-SIGNâ€“Lewis ^X Complex. <i>Biochemistry</i> , 2014, 53, 5700-5709.	1.2	51
9	Molecular modeling in dioxane methanol interaction. <i>Journal of Molecular Modeling</i> , 2014, 20, 2408.	0.8	7
10	Effect of Ionic Charge on the CHâ€“H Hydrogen Bond. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9575-9587.	1.1	18
11	Dissection of the Factors Affecting Formation of a CH TM â€“O H-Bond. A Case Study. <i>Crystals</i> , 2015, 5, 327-345.	1.5	15
12	Gas-Phase IR Spectroscopy and Structure of Biological Molecules. <i>Topics in Current Chemistry</i> , 2015, , .	4.0	95
13	Revisiting the role of histo-blood group antigens in rotavirus host-cell invasion. <i>Nature Communications</i> , 2015, 6, 5907.	5.8	75
14	Anionic CHâ€“X Hydrogen Bonds: Origin of Their Strength, Geometry, and Other Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 1474-1481.	1.7	26
15	A binuclear iron(III) Schiff base complex doubly bridged by hydroxyl groups: Synthesis, structure, and characterization. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2015, 41, 101-107.	0.3	4
16	The CHâ€“O H-Bond as a Determining Factor in Molecular Structure. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2015, , 69-105.	0.6	3
17	Comparison of CHâ€“O, SHâ€“O, Chalcogen, and Tetrel Bonds Formed by Neutral and Cationic Sulfur-Containing Compounds. <i>Journal of Physical Chemistry A</i> , 2015, 119, 9189-9199.	1.1	92
18	Noncovalent Forces. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2015, , .	0.6	116

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19	DC-SIGN as a Target for Drug Development Based on Carbohydrates. , 2015, , 379-394.		2
20	Uncovering Nonconventional and Conventional Hydrogen Bonds in Oligosaccharides through NMR Experiments and Molecular Modeling: Application to Sialyl Lewis-X. Journal of the American Chemical Society, 2015, 137, 13444-13447.	6.6	34
21	Microsolvation of anions by molecules forming CH ^{δ+} ⋯X ^{δ-} hydrogen bonds. Chemical Physics, 2015, 463, 137-144.	0.9	6
22	Structure-activity relationship studies of cyclopropenimines as enantioselective Brønsted base catalysts. Chemical Science, 2015, 6, 1537-1547.	3.7	72
23	Dimerization of the fungal defense lectin CCL2 is essential for its toxicity against nematodes. Glycobiology, 2016, 27, 486-500.	1.3	17
24	“Rules of Engagement” of Protein-Glycoconjugate Interactions: A Molecular View Achievable by using NMR Spectroscopy and Molecular Modeling. ChemistryOpen, 2016, 5, 274-296.	0.9	62
25	The Hidden Conformation of Lewis x, a Human Histo-Blood Group Antigen, Is a Determinant for Recognition by Pathogen Lectins. ACS Chemical Biology, 2016, 11, 2011-2020.	1.6	37
26	Structural basis for sulfation-dependent self-glycan recognition by the human immune-inhibitory receptor Siglec-8. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4170-9.	3.3	72
27	An expeditious synthesis of blood-group antigens, ABO histo-blood group type II antigens and xenoantigen oligosaccharides with amino type spacer arms. Glycoconjugate Journal, 2016, 33, 63-78.	1.4	11
28	Lanthanide salen-type complexes exhibiting single ion magnet and photoluminescent properties. Dalton Transactions, 2016, 45, 2974-2982.	1.6	47
29	Blood Group Antigen Recognition via the Group A Streptococcal M Protein Mediates Host Colonization. MBio, 2017, 8, .	1.8	25
30	Residue-centric modeling and design of saccharide and glycoconjugate structures. Journal of Computational Chemistry, 2017, 38, 276-287.	1.5	41
31	Histo-blood group antigens as mediators of infections. Current Opinion in Structural Biology, 2017, 44, 190-200.	2.6	72
32	Glycan OH Exchange Rate Determination in Aqueous Solution: Seeking Evidence for Transient Hydrogen Bonds. Journal of Physical Chemistry B, 2017, 121, 683-695.	1.2	16
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34	A Secondary Structural Element in a Wide Range of Fucosylated Glycoepitopes. Chemistry - A European Journal, 2017, 23, 11598-11610.	1.7	32
35	Norovirus, glycans and attachment. Current Opinion in Virology, 2018, 31, 33-42.	2.6	19
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37	Spin ballet for sweet encounters: saturation-transfer difference NMR and X-ray crystallography complement each other in the elucidation of protein-glycan interactions. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2018, 74, 451-462.	0.4	22
38	Analysis of carbohydrates and glycoconjugates by matrix-assisted laser desorption/ionization mass spectrometry: An update for 2013-2014. <i>Mass Spectrometry Reviews</i> , 2018, 37, 353-491.	2.8	51
39	Chemical shift-based identification of monosaccharide spin-systems with NMR spectroscopy to complement untargeted glycomics. <i>Bioinformatics</i> , 2019, 35, 293-300.	1.8	14
40	Novel NMR Avenues to Explore the Conformation and Interactions of Glycans. <i>ACS Omega</i> , 2019, 4, 13618-13630.	1.6	52
41	Induction of rare conformation of oligosaccharide by binding to calcium-dependent bacterial lectin: X-ray crystallography and modelling study. <i>European Journal of Medicinal Chemistry</i> , 2019, 177, 212-220.	2.6	6
42	Hydroxyl Groups in Synthetic and Natural-Product-Derived Therapeutics: A Perspective on a Common Functional Group. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 8915-8930.	2.9	91
43	Minimizing the Entropy Penalty for Ligand Binding: Lessons from the Molecular Recognition of the Histo Blood Group Antigens by Human Galectin-3. <i>Angewandte Chemie</i> , 2019, 131, 7346-7350.	1.6	12
44	Minimizing the Entropy Penalty for Ligand Binding: Lessons from the Molecular Recognition of the Histo Blood Group Antigens by Human Galectin-3. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7268-7272.	7.2	56
45	Solution NMR Structural Studies of Glycans. <i>Israel Journal of Chemistry</i> , 2019, 59, 1039-1058.	1.0	3
46	Structural Studies Using Unnatural Oligosaccharides: Toward Sugar Foldamers. <i>Biomacromolecules</i> , 2020, 21, 18-29.	2.6	24
47	Remodeling of the Oligosaccharide Conformational Space in the Prebound State To Improve Lectin-Binding Affinity. <i>Biochemistry</i> , 2020, 59, 3180-3185.	1.2	9
48	Three-Dimensional Structures of Carbohydrates and Where to Find Them. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7702.	1.8	22
49	Synthesis and Structural Analysis of <i>Aspergillus fumigatus</i> Galactosaminogalactans Featuring β -Galactose, β -Galactosamine and β -N-Acetyl Galactosamine Linkages. <i>Angewandte Chemie</i> , 2020, 132, 12846-12850.	1.6	4
50	Conformational Studies of Oligosaccharides. <i>Chemistry - A European Journal</i> , 2020, 26, 9814-9825.	1.7	28
51	Synthesis and Structural Analysis of <i>Aspergillus fumigatus</i> Galactosaminogalactans Featuring β -Galactose, β -Galactosamine and β -N-Acetyl Galactosamine Linkages. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12746-12750.	7.2	28
52	Mevo lectin specificity toward high-mannose structures with terminal β -Man(1,2) β -Man residues and its implication to inhibition of the entry of <i>Mycobacterium tuberculosis</i> into macrophages. <i>Glycobiology</i> , 2021, 31, 1046-1059.	1.3	3
54	Chemoenzymatic Synthesis of Sialyl Sulfo-Oligosaccharides as Potent Siglec-8 Ligands via Transglycosylation Catalyzed by Keratanase II. <i>Biomacromolecules</i> , 2022, 23, 316-325.	2.6	5
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57	Unambiguous identification of $\hat{\pm}$ -Gal epitopes in intact monoclonal antibodies by NMR spectroscopy. <i>MABs</i> , 2022, 14, .	2.6	4
58	A Structural-Reporter Group to Determine the Core Conformation of Sialyl Lewisx Mimetics. <i>Molecules</i> , 2023, 28, 2595.	1.7	2
60	The Nature of the Hydrogen Bond, from a Theoretical Perspective. , 2017, , 410-452.		1