

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

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Chair interconversion and reactivity of mannuronic acid esters. Organic and Biomolecular Chemistry, 2013, 11, 8127.	2.8	20
2	Fucosylated Chondroitin Sulfates from the Body Wall of the Sea Cucumber <i>Holothuria forskali</i> . Journal of Biological Chemistry, 2014, 289, 28284-28298.	3.4	88
3	The Evolution of a Glycoconjugate Vaccine for <i>Candida albicans</i> . Topics in Medicinal Chemistry, 2014, , 187-234.	0.8	1
4	Carbohydrates. Topics in Current Chemistry, 2014, 364, 299-333.	4.0	19
5	Carbohydrates as Drugs. Topics in Medicinal Chemistry, 2014, , .	0.8	6
6	Interaction between temozolomide and water: Preferred binding sites. Computational and Theoretical Chemistry, 2014, 1034, 26-31.	2.5	21
7	Computational Study of the Formation of Short Centrosymmetric Nâ€™Hâˆ•âˆ•S Supramolecular Synthon and Related Weak Interactions in Crystalline 1,2,4-Triazoles. Crystal Growth and Design, 2014, 14, 5881-5896.	3.0	27
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9	Molecular modeling in dioxane methanol interaction. Journal of Molecular Modeling, 2014, 20, 2408.	1.8	7
10	Effect of Ionic Charge on the CHâˆ•âˆ•H Hydrogen Bond. Journal of Physical Chemistry A, 2014, 118, 9575-9587.	2.5	18
11	Dissection of the Factors Affecting Formation of a CHâˆ•âˆ•O H-Bond. A Case Study. Crystals, 2015, 5, 327-345.	1.5	15
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16	The CHâˆ•O H-Bond as a Determining Factor in Molecular Structure. Challenges and Advances in Computational Chemistry and Physics, 2015, , 69-105.	0.6	3
17	Comparison of CHâˆ•O, SHâˆ•O, Chalcogen, and Tetrel Bonds Formed by Neutral and Cationic Sulfur-Containing Compounds. Journal of Physical Chemistry A, 2015, 119, 9189-9199.	2.5	92
18	Noncovalent Forces. Challenges and Advances in Computational Chemistry and Physics, 2015, , .	0.6	116

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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.	13.7	34
21	Microsolvation of anions by molecules forming CH ⁺ ⋯X ⁻ hydrogen bonds. Chemical Physics, 2015, 463, 137-144.	1.9	6
22	Structure-activity relationship studies of cyclopropenimines as enantioselective Brønsted base catalysts. Chemical Science, 2015, 6, 1537-1547.	7.4	72
23	Dimerization of the fungal defense lectin CCL2 is essential for its toxicity against nematodes. Glycobiology, 2016, 27, 486-500.	2.5	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.	1.9	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.	3.4	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.	7.1	72
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31	Histo-blood group antigens as mediators of infections. Current Opinion in Structural Biology, 2017, 44, 190-200.	5.7	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.	2.6	16
33	O ₂ sensing-associated glycosylation exposes the F-box combining site of the Dictyostelium Skp1 subunit in E3 ubiquitin ligases. Journal of Biological Chemistry, 2017, 292, 18897-18915.	3.4	25
34	A Secondary Structural Element in a Wide Range of Fucosylated Glycoepitopes. Chemistry - A European Journal, 2017, 23, 11598-11610.	3.3	32
35	Norovirus, glycans and attachment. Current Opinion in Virology, 2018, 31, 33-42.	5.4	19
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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.	5.4	51
39	Chemical shift-based identification of monosaccharide spin-systems with NMR spectroscopy to complement untargeted glycomics. <i>Bioinformatics</i> , 2019, 35, 293-300.	4.1	14
40	Novel NMR Avenues to Explore the Conformation and Interactions of Glycans. <i>ACS Omega</i> , 2019, 4, 13618-13630.	3.5	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.	5.5	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.	6.4	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.	2.0	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.	13.8	56
45	Solution NMR Structural Studies of Glycans. <i>Israel Journal of Chemistry</i> , 2019, 59, 1039-1058.	2.3	3
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48	Three-Dimensional Structures of Carbohydrates and Where to Find Them. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7702.	4.1	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.	2.0	4
50	Conformational Studies of Oligosaccharides. <i>Chemistry - A European Journal</i> , 2020, 26, 9814-9825.	3.3	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.	13.8	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.	2.5	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.	5.4	5
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60	The Nature of the Hydrogen Bond, from a Theoretical Perspective. , 2017, , 410-452.		1
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64	Unraveling Molecular Recognition of Glycan Ligands by Siglec-9 via NMR Spectroscopy and Molecular Dynamics Modeling. ACS Chemical Biology, 2024, 19, 483-496.	3.4	0
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