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## Stability and Structure of Metal Ion Complexes Formed in Solution with Acetyl Phosphate and Acetonylphosphonate: Quantification of Isomeric Equilibria

DOI: 10.1021/ja9904181

Journal of the American Chemical Society, 1999, 121, 6248-625

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#	Paper	IF	Citations
54	Stabilities of complexes formed between lead(II) and simple phosphonate or phosphate monoester ligands including some pyrimidine-nucleoside 5' monophosphates (CMP2-, UMP2-, dTMP2-). <i>Journal of Biological Inorganic Chemistry</i> , <b>1999</b> , 4, 508-14	3.7	18
53	Metal ion-binding properties of the antiviral nucleotide analogue 9-[2-(phosphonomethoxy)ethyl]adenine (PMEA). Why is its diphosphorylated form, PMEApp4-, initially a better substrate for nucleic acid polymerases than (2'-deoxy)-adenosine 5'-triphosphate (dATP4-/ATP4-)? <i>Pure and Applied Chemistry</i> , <b>1999</b> , 71, 1727-1740	2.1	43
52	Metal ion-carbonyl oxygen recognition in complexes of acetyl phosphate. <i>Journal of Inorganic Biochemistry</i> , <b>2000</b> , 79, 247-51	4.2	9
51	Evaluation of intramolecular equilibria in complexes formed between substituted imidazole ligands and nickel (II), copper (II) or zinc (II). <i>Journal of Inorganic Biochemistry</i> , <b>2000</b> , 78, 129-37	4.2	30
50	Quantification of isomeric equilibria for metal ion complexes formed in solution by phosphate or phosphonate ligands with a weakly coordinating second site. <i>Coordination Chemistry Reviews</i> , <b>2000</b> , 200-202, 563-594	23.2	61
49	Properties of the Ternary (Dien)Pt(PMEA-N7) Complex Containing Diethylenetriamine (Dien) and the Antiviral 9-[2-(Phosphonomethoxy)ethyl]adenine (PMEA). Synthesis, Biological Screening, Acid-Base Behaviour, and Metal Ion-Binding in Aqueous Solution. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2000</b> , 55, 1141-1152	1	5
48	Formation of ternary complexes by coordination of (diethylenetriamine)-platinum(II) to N1 or N7 of the adenine moiety of the antiviral nucleotide analogue 9. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 1899-908	4.8	16
47	Interactions of lead(II) with nucleotides and their constituents. <i>Coordination Chemistry Reviews</i> , <b>2001</b> , 219-221, 435-461	23.2	64
46	Activation of acyl phosphate monoesters by lanthanide ions: enhanced reactivity of benzoyl methyl phosphate. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 3303-8	16.4	33
45	A new synthesis of phosphoramidates: inhibitors of the key bacterial enzyme aspartate semi-aldehyde dehydrogenase. <i>Chemical Communications</i> , <b>2002</b> , 2004-5	5.8	30
44	Metal-ion binding properties of O-phosphonomethylcholine (PMCh): Effect of the positive charge of a distant trimethylammonium group on the coordinating qualities of a phosph(on)ate group. <i>Inorganica Chimica Acta</i> , <b>2002</b> , 331, 109-116	2.7	14
43	Solution Structures of Binary and Ternary Metal Ion Complexes of 9-(5-Phosphonopentyl)adenine (3'-deoxa-PEEA). A Nucleotide Analogue Related to the Antivirally Active 9-[2-(Phosphonomethoxy)ethyl]adenine (PMEA). <i>European Journal of Inorganic Chemistry</i> , <b>2003</b> , 2003, 2937-2947	2.3	4
42	Thermoanalytical characterization of solid-state Co(II)-, Ni(II)- and Cu(II)-4(5)-aminoimidazole-5(4)-carboxamide complexes. <i>Thermochimica Acta</i> , <b>2003</b> , 397, 129-134	2.9	16
41	Stability and structure of binary and ternary metal ion complexes in aqueous solution of the quaternary 1-[2-(phosphonomethoxy)ethyl] derivative of 2,4-diaminopyrimidine (PMEDAPy) Properties of an acyclic nucleotide analogue. <i>Polyhedron</i> , <b>2003</b> , 22, 1067-1076	2.7	16
40	Stability constants of metal ion complexes formed with N3-deprotonated uridine in aqueous solution. <i>Inorganic Chemistry Communication</i> , <b>2003</b> , 6, 90-93	3.1	24
39	Synthesis and acid-base properties of (1H-benzimidazol-2-yl-methyl)phosphonate (Bimp2-). Evidence for intramolecular hydrogen-bond formation in aqueous solution between (N-1)H and the phosphonate group. <i>Organic and Biomolecular Chemistry</i> , <b>2003</b> , 1, 1819-26	3.9	17
38	P-O bond destabilization accelerates phosphoenzyme hydrolysis of sarcoplasmic reticulum Ca2+-ATPase. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 51888-96	5.4	28

37	Carbamoylphosphonate-based matrix metalloproteinase inhibitor metal complexes: solution studies and stability constants. Towards a zinc-selective binding group. <i>Journal of Biological Inorganic Chemistry</i> , <b>2004</b> , 9, 307-15	3.7	44
36	A quantitative appraisal of the ambivalent metal ion binding properties of cytidine in aqueous solution and an estimation of the anti-syn energy barrier of cytidine derivatives. <i>Journal of Biological Inorganic Chemistry</i> , <b>2004</b> , 9, 365-73	3.7	29
35	Quantification of isomeric equilibria formed by metal ion complexes of 8-[2-(phosphonomethoxy)ethyl]-8-azaadenine (8,8aPMEA) and 9-[2-(phosphonomethoxy)ethyl]-8-azaadenine (9,8aPMEA). Derivatives of the antiviral nucleotide analogue 9-[2-(phosphonomethoxy)ethyl]adenine (PMEA). <i>Journal of Biological Inorganic Chemistry</i> , <b>2004</b> , 9, 375-84	3.7	12
34	The decomposition mechanism of new solid-state 4(5)-aminoimidazole-5(4)-carboxamide coordination compounds. <i>Thermochimica Acta</i> , <b>2004</b> , 409, 145-150	2.9	8
33	Biomimetic monoacylation of diols in water. Lanthanide-promoted reactions of methyl benzoyl phosphate. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 10721-6	16.4	29
32	Temperature Effects on a Hydroxyapatite Precursor Solution. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 5516-5521	3.4	11
31	Metal ion-binding properties of (1H-benzimidazol-2-yl-methyl)phosphonate (Bimp2-) in aqueous solution. Isomeric equilibria, extent of chelation, and a new quantification method for the chelate effect. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 1311-22	5.1	48
30	Metal ion complexes of antivirally active nucleotide analogues. Conclusions regarding their biological action. <i>Chemical Society Reviews</i> , <b>2004</b> , 33, 191-200	58.5	67
29	Nucleoside 5'-triphosphates: self-association, acid-base, and metal ion-binding properties in solution. <i>Chemical Society Reviews</i> , <b>2005</b> , 34, 875-900	58.5	186
28	Acid-base and metal-ion binding properties of the RNA dinucleotide uridylyl-(5Q>3Q)-[5Q]uridylate (pUpU3-). <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 4163-70	4.8	34
27	Supercritical Fluid Extraction: A Study on Metal Recovery and Regeneration of $\beta$ -Diketones and Organophosphorus Extractants. <i>Solvent Extraction and Ion Exchange</i> , <b>2005</b> , 23, 189-212	2.5	9
26	Acid-base and metal-ion-binding properties of 9-[2-(2-phosphonoethoxy)ethyl]adenine (PEEA), a relative of the antiviral nucleotide analogue 9-[2-(phosphonomethoxy)ethyl]adenine (PMEA). An exercise on the quantification of isomeric complex equilibria in solution. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 5104-17	5.1	33
25	Alternative roles for metal ions in enzyme catalysis and the implications for ribozyme chemistry. <i>Chemical Reviews</i> , <b>2007</b> , 107, 97-113	68.1	255
24	Complex Formation of Nickel(II) with Sugar Residues, Nucleobases, Phosphates, Nucleotides, and Nucleic Acids. <b>2007</b> , 109-180		4
23	Comparison of the surprising metal-ion-binding properties of 5- and 6-uracilmethylphosphonate (5Umpa2- and 6Umpa2-) in aqueous solution and crystal structures of the dimethyl and di(isopropyl) esters of H <sub>2</sub> (6Umpa). <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 10036-46	4.8	11
22	Metal ion-binding properties of 9-[(2-phosphonomethoxy)ethyl]-2-aminopurine (PME2AP), an isomer of the antiviral nucleotide analogue 9-[(2-phosphonomethoxy)ethyl]adenine (PMEA). Steric guiding of metal ion-coordination by the purine-amino group. <i>Dalton Transactions</i> , <b>2010</b> , 39, 6344-54	4.3	16
21	Complexation of Mn <sup>2+</sup> , Fe <sup>2+</sup> , Y <sup>3+</sup> , La <sup>3+</sup> , Pb <sup>2+</sup> , and UO <sub>2</sub> <sup>2+</sup> with Organic Ligands: QSPR Ensemble Modeling of Stability Constants. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 13482-13489	3.9	13
20	Extent of intramolecular $\beta$ stacks in aqueous solution in mixed-ligand copper(II) complexes formed by heteroaromatic amines and several 2-aminopurine derivatives of the antivirally active nucleotide analog 9-[2-(phosphonomethoxy)ethyl]adenine (PMEA). <i>Chemistry and Biodiversity</i> , <b>2012</b> , 9, 2008-34	2.5	10

19	Cadmium: From Toxicity to Essentiality. <i>Metal Ions in Life Sciences</i> , <b>2013</b> ,	2.6	35
18	Metal-Ion Interactions with Nucleic Acids and Their Constituents. <b>2013</b> , 623-660		8
17	Complex formation of cadmium with sugar residues, nucleobases, phosphates, nucleotides, and nucleic acids. <i>Metal Ions in Life Sciences</i> , <b>2013</b> , 11, 191-274	2.6	18
16	QSPR ensemble modelling of alkaline-earth metal complexation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2013</b> , 76, 159-171		16
15	Extent of Intramolecular $\pi$ -Stacks in Aqueous Solution in Mixed-Ligand Copper(II) Complexes Formed by Heteroaromatic Amines and 1-[2-(Phosphonomethoxy)ethyl]cytosine (PMEC), a Relative of Antivirally Active Acyclic Nucleotide Analogues (Part 72)[1, 2]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2013</b> , 639, 1661-1673	1.3	6
14	Comparison of the $\pi$ -stacking properties of purine versus pyrimidine residues. Some generalizations regarding selectivity. <i>Journal of Biological Inorganic Chemistry</i> , <b>2014</b> , 19, 691-703	3.7	14
13	QSPR ensemble modelling of the 1:1 and 1:2 complexation of $\text{Co}^{2+}$ , $\text{Ni}^{2+}$ , and $\text{Cu}^{2+}$ with organic ligands: relationships between stability constants. <i>Journal of Computer-Aided Molecular Design</i> , <b>2014</b> , 28, 549-64	4.2	15
12	Nucleation and Growth Mechanisms of an Electrodeposited Manganese Oxide Oxygen Evolution Catalyst. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 17142-17152	3.8	63
11	Extent of intramolecular $\pi$ -stacks in aqueous solution in mixed-ligand copper(II) complexes formed by heteroaromatic amines and the anticancer and antivirally active 9-[2-(phosphonomethoxy)ethyl]guanine (PMEG). A comparison with related acyclic nucleotide analogues. <i>Polyhedron</i> , <b>2016</b> , 103, 248-260	2.7	4
10	Complex Formation of Lead(II) with Nucleotides and Their Constituents. <i>Metal Ions in Life Sciences</i> , <b>2017</b> , 17,	2.6	
9	Titration without the Additions: The Efficient Determination of pK Values Using NMR Imaging Techniques. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 4160-4166	7.8	11
8	Intramolecular $\pi$ -stacks in mixed-ligand copper(II) complexes formed by heteroaromatic amines and antivirally active acyclic nucleotide analogs carrying a hydroxy-2-(phosphonomethoxy)propyl residue. <i>Journal of Coordination Chemistry</i> , <b>2018</b> , 71, 1910-1934	1.6	3
7	Free-Radical Formation by the Peroxidase-Like Catalytic Activity of $\text{MFe}_2\text{O}_4$ (M = Fe, Ni, and Mn) Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 20617-20627	3.8	17
6	Metal Ion-Coordinating Properties in Aqueous Solutions of the Antivirally Active Nucleotide Analogue (S)-9-[3-Hydroxy-2-(phosphonomethoxy)propyl]adenine (HPMPA) [Quantification of Complex Isomeric Equilibria. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 3892-3903	2.3	3
5	Fabrication of a Fibrous Metal-Organic Framework and Simultaneous Immobilization of Enzymes. <i>ACS Omega</i> , <b>2020</b> , 5, 22708-22718	3.9	1
4	Development of Inorganic Membranes for Hydrogen Separation. <b>2011</b> , 173-182		
3	Coordination Chemistry of Nucleotides and Antivirally Active Acyclic Nucleoside Phosphonates, including Mechanistic Considerations.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	1
2	Machine learning-based analysis of overall stability constants of metal-ligand complexes. <i>Scientific Reports</i> , <b>2022</b> , 12,	4.9	0

1 Metal ion interactions with nucleic acids. **2022**,

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