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Cytotoxicity, cellular uptake, and DNA interactions of new monodentate ruthenium(II) complexes containing terphenyl arenes

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#	Paper	IF	Citations
95	. 2009 ,		101
94	Ruthenium, Titanium and Gallium for Treating Cancer. 149-189		
93	DNA interactions of dinuclear Ru(II) arene antitumor complexes in cell-free media. <i>Biochemical Pharmacology</i> , 2009 , 77, 364-74	6	74
92	Use of ion mobility mass spectrometry and a collision cross-section algorithm to study an organometallic ruthenium anticancer complex and its adducts with a DNA oligonucleotide. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 3563-9	2.2	68
91	Isomer separation and gas-phase configurations of organoruthenium anticancer complexes: ion mobility mass spectrometry and modeling. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 1119-22	3.5	70
90	Synthesis, characterization, DNA binding and cleavage studies of chiral Ru(II) salen complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 74, 113-9	4.4	26
89	Tuning heavy metal compounds for anti-tumor activity: is diversity the key to ruthenium's success?. <i>Future Medicinal Chemistry</i> , 2009 , 1, 541-59	4.1	16
88	Unusual DNA binding modes for metal anticancer complexes. <i>Biochimie</i> , 2009 , 91, 1198-211	4.6	173
87	Controlling Platinum, Ruthenium and Osmium Reactivity for Anticancer Drug Design. <i>Advances in Inorganic Chemistry</i> , 2009 , 61, 1-62	2.1	162
86	Energetics, conformation, and recognition of DNA duplexes modified by monodentate Ru(II) complexes containing terphenyl arenes. <i>Chemistry - A European Journal</i> , 2010 , 16, 5744-54	4.8	23
85	Cytotoxicity of half sandwich ruthenium(II) complexes with strong hydrogen bond acceptor ligands and their mechanism of action. <i>Journal of Inorganic Biochemistry</i> , 2010 , 104, 93-104	4.2	47
84	DNA-Destabilizing Agents as an Alternative Approach for Targeting DNA: Mechanisms of Action and Cellular Consequences. <i>Journal of Nucleic Acids</i> , 2010 , 2010,	2.3	30
83	Antitumor activity of new hydridotris(pyrazolyl)borate ruthenium(II) complexes containing the phosphanes PTA and 1-CH ₃ -PTA. <i>Dalton Transactions</i> , 2010 , 39, 10186-96	4.3	22
82	Activation Mechanisms for Organometallic Anticancer Complexes. <i>Topics in Organometallic Chemistry</i> , 2010 , 21-56	0.6	156
81	Medicinal Organometallic Chemistry. <i>Topics in Organometallic Chemistry</i> , 2010 ,	0.6	66
80	An effective approach to artificial nucleases using copper(II) complexes bearing nucleobases. <i>Dalton Transactions</i> , 2010 , 39, 2128-36	4.3	60
79	Chiral ruthenium polypyridyl complexes as mitochondria-targeted apoptosis inducers. <i>MedChemComm</i> , 2010 , 1, 73-75	5	48

78	DNA binding selectivity of oligopyridine-ruthenium(II)-lysine conjugate. <i>Dalton Transactions</i> , 2011 , 40, 472-83	4.3	13
77	Reactions of an organoruthenium anticancer complex with 2-mercaptobenzanilide--a model for the active-site cysteine of protein tyrosine phosphatase 1B. <i>Dalton Transactions</i> , 2011 , 40, 11519-29	4.3	9
76	Organometallic half-sandwich iridium anticancer complexes. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 3011-26	8.3	269
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74	Metal complexes as DNA intercalators. <i>Accounts of Chemical Research</i> , 2011 , 44, 349-59	24.3	547
73	Differences in the cellular response and signaling pathways between cisplatin and monodentate organometallic Ru(II) antitumor complexes containing a terphenyl ligand. <i>Molecular Pharmaceutics</i> , 2011 , 8, 949-57	5.6	36
72	. 2011 ,		115
71	Enhancements in travelling wave ion mobility resolution. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 1559-66	2.2	304
70	Organometallic -Dichlorido Ruthenium(II) Ammine Complexes. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 3257-3264	2.3	19
69	X-ray structure and cytotoxic activity of a picolinate ruthenium(II)-arene complex. <i>Journal of the Serbian Chemical Society</i> , 2011 , 76, 53-61	0.9	20
68	Cellular response to antitumor cis-Dichlorido platinum(II) complexes of CDK inhibitor Bohemine and its analogues. <i>Chemical Research in Toxicology</i> , 2012 , 25, 500-9	4	16
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66	Bipyrimidine ruthenium(II) arene complexes: structure, reactivity and cytotoxicity. <i>Journal of Biological Inorganic Chemistry</i> , 2012 , 17, 1033-51	3.7	50
65	Antitumor carboplatin is more toxic in tumor cells when photoactivated: enhanced DNA binding. <i>Journal of Biological Inorganic Chemistry</i> , 2012 , 17, 891-8	3.7	28
64	Designing organometallic compounds for catalysis and therapy. <i>Chemical Communications</i> , 2012 , 48, 5219-46	5.8	303
63	Next-generation metal anticancer complexes: multitargeting via redox modulation. <i>Inorganic Chemistry</i> , 2013 , 52, 12276-91	5.1	303
62	Nonclassic metallointercalators with dipyridophenazine: DNA interaction studies and leishmanicidal activity. <i>Inorganic Chemistry</i> , 2013 , 52, 8881-94	5.1	16
61	Antitumor activity of new enantiopure pybox-ruthenium complexes. <i>Dalton Transactions</i> , 2013 , 42, 13954-67	5.7	15

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58	Binding properties of Ru(II) polypyridyl complexes with poly(U) β poly(A)*poly(U) triplex: the ancillary ligand effect on third-strand stabilization. <i>Journal of Biological Inorganic Chemistry</i> , 2013 , 18, 71-80	3.7	13
57	One-pot synthesis of multifunctionalized m-terphenyls. <i>Tetrahedron</i> , 2013 , 69, 9616-9624	2.4	19
56	Synthesis, characterization, and anticancer activity of a series of ketone-N(4)-substituted thiosemicarbazones and their ruthenium(II) arene complexes. <i>Inorganic Chemistry</i> , 2013 , 52, 12440-9	5.1	59
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53	The path for metal complexes to a DNA target. <i>Chemical Communications</i> , 2013 , 49, 3617-30	5.8	272
52	cis-1,3,5-Triaminocyclohexane as a facially capping ligand for ruthenium(II). <i>Inorganic Chemistry</i> , 2013 , 52, 4517-27	5.1	8
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50	Tuning the Hydrolytic Properties of Half-Sandwich-Type Organometallic Cations in Aqueous Solution. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3090-3100	2.3	17
49	The study of naphthoquinones and their complexes with DNA by using Raman spectroscopy and surface enhanced Raman spectroscopy: new insight into interactions of DNA with plant secondary metabolites. <i>BioMed Research International</i> , 2014 , 2014, 461393	3	6
48	Derivation of structure-activity relationships from the anticancer properties of ruthenium(II) arene complexes with 2-aryldiazole ligands. <i>Inorganic Chemistry</i> , 2014 , 53, 11274-88	5.1	64
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46	Enhanced anti-cancer efficacy to cancer cells by doxorubicin loaded water-soluble amino acid-modified β -cyclodextrin platinum complexes. <i>Journal of Inorganic Biochemistry</i> , 2014 , 137, 31-9	4.2	10
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43	Kinetics and mechanistic investigation into the possible activation of imidazolium trans-[tetrachloridodimethylsulfoxideimidazolerruthenate(III)], NAMI-A, by 2-mercaptoethane sulfonate. <i>Dalton Transactions</i> , 2014 , 43, 12943-51	4.3	7

42	The studies on bioactivity in vitro of ruthenium(II) polypyridyl complexes towards human lung carcinoma A549 cells. <i>RSC Advances</i> , 2014 , 4, 40899-40906	3.7	22
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36	Strong in Vitro Cytotoxic Potential of New Ruthenium(II)cymene Complexes. <i>Organometallics</i> , 2015 , 34, 3464-3473	3.8	37
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28	Photo-induced DNA cleavage and cytotoxicity of a ruthenium(II) arene anticancer complex. <i>Journal of Inorganic Biochemistry</i> , 2016 , 160, 149-55	4.2	36
27	[Ru(bpy) ₂ (7-CH ₃ -dppz)] ²⁺ and [Ru(phen) ₂ (7-CH ₃ -dppz)] ²⁺ as metallointercalators that affect third-strand stabilization of the poly(U) ₃ poly(A) ₃ poly(U) triplex. <i>Molecular BioSystems</i> , 2016 , 12, 1478-85		10
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19	Effects of cytotoxic cis- and trans-diammine monochlorido platinum(II) complexes on selenium-dependent redox enzymes and DNA. <i>Journal of Inorganic Biochemistry</i> , 2018 , 178, 94-105	4.2	11
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17	Binding properties of two Ru(II) polypyridyl complexes containing dppz units and fluorine groups with poly(U)poly(A) * poly(U) triplex. <i>Journal of Inorganic Biochemistry</i> , 2019 , 197, 110705	4.2	7
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8	Organoruthenium Complexes with Benzo-Fused Pyridiones Overcome Platinum Resistance in Ovarian Cancer Cells. <i>Cancers</i> , 2021 , 13,	6.6	9
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6	CHAPTER 2: Ruthenium, Osmium and Iridium in the Fight Against Cancer. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 2019 , 31-61	1.8	2
5	Covalent and noncovalent interactions of coordination compounds with DNA: An overview. <i>Journal of Inorganic Biochemistry</i> , 2021 , 225, 111624	4.2	7
4	Interaction of arene ruthenium(II) complexes $[(\eta^6\text{C}_6\text{H}_5)_3\text{Ru}(\text{L})\text{Cl}]\text{PF}_6$ (L = o-fpip and p-fpip) with the RNA triplex poly(U)*poly(A)poly(U).. <i>Journal of Inorganic Biochemistry</i> , 2022 , 232, 111813	4.2	0
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