

Organometallic Anticancer Compounds

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Benzimidazol-2-ylidene Gold(I) Complexes Are Thioredoxin Reductase Inhibitors with Multiple Antitumor Properties. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 8608-8618.	6.4	301
3	Anticancer activity of tetracationic arene ruthenium metalla-cycles. <i>Dalton Transactions</i> , 2011, 40, 7172.	3.3	71
4	Library of second-generation cycloruthenated compounds and evaluation of their biological properties as potential anticancer drugs: Passing the nanomolar barrier. <i>Dalton Transactions</i> , 2011, 40, 8869.	3.3	80
5	A platinum Chugaev carbene complex as a potent anticancer agent. <i>Chemical Communications</i> , 2011, 47, 7830.	4.1	30
6	Syntheses, Molecular Structures, Electrochemical Behavior, Theoretical Study, and Antitumor Activities of Organotin(IV) Complexes Containing 1-(4-Chlorophenyl)-1-cyclopentanecarboxylato Ligands. <i>Inorganic Chemistry</i> , 2011, 50, 8158-8167.	4.0	89
7	Size Does Matter. Sterically Demanding Metallocene-Substituted 3-Methylidene-Oxindoles Exhibit Poor Kinase Inhibitory Action. <i>Organometallics</i> , 2011, 30, 3177-3181.	2.3	19
8	Organometallic Pyridyl-naphthalimide Complexes as Protein Kinase Inhibitors. <i>Organometallics</i> , 2011, 30, 4598-4606.	2.3	35
9	Structure-activity relationships for organometallic osmium arene phenylazopyridine complexes with potent anticancer activity. <i>Dalton Transactions</i> , 2011, 40, 10553.	3.3	76
10	Photocontrolled DNA Binding of a Receptor-Targeted Organometallic Ruthenium(II) Complex. <i>Journal of the American Chemical Society</i> , 2011, 133, 14098-14108.	13.7	170
11	Rhodium(III) and ruthenium(II) complexes of redox-active, chelating N-heterocyclic carbene/thioether ligands. <i>New Journal of Chemistry</i> , 2011, 35, 2162.	2.8	25
12	Contrasting Reactivity and Cancer Cell Cytotoxicity of Isoelectronic Organometallic Iridium(III) Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 5777-5783.	4.0	146
13	Comparative in Vitro Evaluation of N-Heterocyclic Carbene Gold(I) Complexes of the Benzimidazolylidene Type. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 8646-8657.	6.4	242
14	Organometallic Iridium(III) Cyclopentadienyl Anticancer Complexes Containing C,N-Chelating Ligands. <i>Organometallics</i> , 2011, 30, 4702-4710.	2.3	131
15	Ferrocene-Conjugated α -Tryptophan Copper(II) Complexes of Phenanthroline Bases Showing DNA Photocleavage Activity and Cytotoxicity. <i>Inorganic Chemistry</i> , 2011, 50, 8452-8464.	4.0	127
16	Structurally Sophisticated Octahedral Metal Complexes as Highly Selective Protein Kinase Inhibitors. <i>Journal of the American Chemical Society</i> , 2011, 133, 5976-5986.	13.7	218
17	Synthesis and Biological Evaluation of JAHAs: Ferrocene-Based Histone Deacetylase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2011, 2, 358-362.	2.8	91
18	Targeted and multifunctional arene ruthenium chemotherapeutics. <i>Dalton Transactions</i> , 2011, 40, 10793.	3.3	248
19	Development of a Cell-Selective and Intrinsically Active Multikinase Inhibitor Bioconjugate. <i>Bioconjugate Chemistry</i> , 2011, 22, 540-545.	3.6	18

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20	A Potent Ruthenium(II) Antitumor Complex Bearing a Lipophilic Levonorgestrel Group. <i>Inorganic Chemistry</i> , 2011, 50, 9164-9171.	4.0	74
21	NHC Gold Halide Complexes Derived from 4,5-Diarylimidazoles: Synthesis, Structural Analysis, and Pharmacological Investigations as Potential Antitumor Agents. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 8605-8615.	6.4	136
22	Novel N-sulfonamide trans-platinum complexes: synthesis, reactivity and in vitro evaluation. <i>MedChemComm</i> , 2011, 2, 789.	3.4	23
23	Impact of metal on the DNA photocleavage activity and cytotoxicity of ferrocenyl terpyridine 3d metal complexes. <i>Dalton Transactions</i> , 2011, 40, 11904.	3.3	52
24	Cancer Selective Metallocenedicarboxylates of the Fungal Cytotoxin Illudin M. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 6177-6182.	6.4	31
25	Efficient Oxidation of Cysteine and Glutathione Catalyzed by a Dinuclear Areneruthenium Trithiolato Anticancer Complex. <i>Inorganic Chemistry</i> , 2011, 50, 10552-10554.	4.0	70
26	A cyclometalated diplatinum complex containing 1,1'-bis(diphenylphosphino)ferrocene as spacer ligand: Antitumor study. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3764-3771.	1.8	44
27	One-pot microwave-assisted synthesis and antimalarial activity of ferrocenyl benzodiazepines. <i>New Journal of Chemistry</i> , 2011, 35, 2412.	2.8	19
28	Platinum(II) and palladium(II) complexes with (N,N'-) and (C,N,N'-) ligands derived from pyrazole as anticancer and antimalarial agents: Synthesis, characterization and in vitro activities. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1720-1728.	3.5	75
29	Beyond platinum: synthesis, characterization, and in vitro toxicity of Cu(II)-releasing polymer nanoparticles for potential use as a drug delivery vector. <i>Nanoscale Research Letters</i> , 2011, 6, 445.	5.7	6
30	Biological evaluation of twenty-eight ferrocenyl tetrasubstituted olefins: Cancer cell growth inhibition, ROS production and hemolytic activity. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 3778-3787.	5.5	38
31	Synthesis and biological studies of silver N-heterocyclic carbene complexes derived from 4,5-diarylimidazole. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5927-5934.	5.5	55
32	P-donor ligand containing ruthenium half-sandwich complexes as protein kinase inhibitors. <i>Inorganica Chimica Acta</i> , 2011, 377, 34-41.	2.4	12
33	Bioorganometallics: First examples of cyclometalated iridium(III) complexes containing di- and tripeptide ester ligands. <i>Inorganica Chimica Acta</i> , 2011, 379, 40-43.	2.4	12
34	Polypyridyl Metal Complexes with Biological Activity. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4931-4947.	2.0	81
35	Synthesis of Optically Active Ferrocene-Containing Platensimycin Derivatives with a C6-C7 Substitution Pattern. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3295-3302.	2.0	24
36	Preparation and Biological Evaluation of Di-Hetero-Organometallic-Containing PNA Bioconjugates. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5471-5478.	2.0	40
37	From Catalysts to Bioactive Organometallics: Do Grubbs Catalysts Trigger Biological Effects?. <i>ChemMedChem</i> , 2011, 6, 2142-2145.	3.2	37

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38	Ferrocenylsubstituierte Metallacyclen des Titanocens - Oligocyclopentadienylkomplexe mit vielversprechenden Eigenschaften. <i>Angewandte Chemie</i> , 2011, 123, 11444-11448.	2.0	30
39	Ferrocenyl-Substituted Metallacycles of Titanocenes: Oligocyclopentadienyl Complexes with Promising Properties. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11248-11252.	13.8	51
40	Organometallic peptide NHC complexes of Cp [*] -Rh(III) and arene Ru(II) moieties from L-thiazolylalanine. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1018-1022.	1.8	30
41	Drug Delivery by Water-Soluble Organometallic Cages. <i>Topics in Current Chemistry</i> , 2011, 319, 35-55.	4.0	106
42	Novel C,N-chelate rhodium(iii) and iridium(iii) antitumor complexes incorporating a lipophilic steroidal conjugate and their interaction with DNA. <i>Dalton Transactions</i> , 2012, 41, 12847.	3.3	82
43	Cyclometalated phenylquinoline rhodium complexes as protein kinase inhibitors. <i>Inorganica Chimica Acta</i> , 2012, 393, 261-268.	2.4	23
44	Redox-active cytotoxic diorganotin(IV) cycloalkylhydroxamate complexes with different ring sizes: Reduction behaviour and theoretical interpretation. <i>Journal of Inorganic Biochemistry</i> , 2012, 117, 147-156.	3.5	17
45	Titanium, zirconium, hafnium. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2012, 108, 146.	0.8	2
46	[Ru(1,5-C ₅ H ₅)(bipy)(PPh ₃)] ⁺ , a promising large spectrum antitumor agent: Cytotoxic activity and interaction with human serum albumin. <i>Journal of Inorganic Biochemistry</i> , 2012, 117, 261-269.	3.5	72
47	Organometallic Palladium Complexes with a Water-Soluble Iminophosphorane Ligand As Potential Anticancer Agents. <i>Organometallics</i> , 2012, 31, 5772-5781.	2.3	70
48	Syntheses, Characterizations, and a Preliminary Comparative Cytotoxicity Study of Gold(I) and Gold(III) Complexes Bearing Benzimidazole- and Pyrazole-Derived N-Heterocyclic Carbenes. <i>Organometallics</i> , 2012, 31, 5875-5883.	2.3	96
49	Competitive Condensation and Tandem Cyclization Reactions of 2-Cyano-3-ferrocenylacrylonitrile with Amidines in an Aqueous Medium. <i>Heterocycles</i> , 2012, 85, 2505.	0.7	3
50	Contrasting cellular uptake pathways for chlorido and iodido iminopyridine ruthenium arene anticancer complexes. <i>Metallomics</i> , 2012, 4, 1271.	2.4	60
51	Discovery of novel SERMs with a ferrocenyl entity based on the oxabicyclo[2.2.1]heptene scaffold and evaluation of their antiproliferative effects in breast cancer cells. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9689.	2.8	26
52	Molecular and Cellular Characterization of the Biological Effects of Ruthenium(II) Complexes Incorporating 2-Pyridyl-2-pyrimidine-4-carboxylic Acid. <i>Journal of the American Chemical Society</i> , 2012, 134, 20376-20387.	13.7	279
53	Synthesis, structure, circular dichroism of a η^5 -546-di- η^4 -hydroxo-tetrakis(S-prolinato)dicobalt(iii) complex and NMR study of its interaction with chiral and non-chiral probes in solutions. <i>New Journal of Chemistry</i> , 2012, 36, 2070.	2.8	5
54	Biologically Active Trifluoromethyl-Substituted Metallocene Triazoles: Characterization, Electrochemistry, Lipophilicity, and Cytotoxicity. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5953-5959.	2.0	30
55	Synthesis and Reactivity of Novel 1H-Isochromeno[3,4-d]imidazol-1-onium Salts. <i>Heterocycles</i> , 2012, 84, 537.	0.7	3

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57	Novel metal-based anticancer drugs: a new challenge in drug delivery. Current Opinion in Pharmacology, 2012, 12, 420-426.	3.5	78
58	Comparative Studies of the Cellular Uptake, Subcellular Localization, and Cytotoxic and Phototoxic Antitumor Properties of Ruthenium(II)-Porphyrin Conjugates with Different Linkers. Bioconjugate Chemistry, 2012, 23, 1623-1638.	3.6	92
59	Anticancer potential of selenium- and tellurium-containing species: opportunities abound!. Applied Organometallic Chemistry, 2012, 26, 655-662.	3.5	54
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61	Use of benzimidazolium salts for in situ generation of palladium catalysts in Heck reactions in water. Catalysis Communications, 2012, 29, 141-144.	3.3	17
62	Synthesis and biological activities of ferrocenyl derivatives of paclitaxel. MedChemComm, 2012, 3, 498.	3.4	39
63	Bioorganometallic Compounds with Antimalarial Targets: Inhibiting Hemozoin Formation. Organometallics, 2012, 31, 5715-5727.	2.3	110
64	Predicting the interactions of organometallic ruthenium ethylenediamine complexes with mononucleotides: insights from density functional theory. RSC Advances, 2012, 2, 7849.	3.6	2
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67	Investigation of the Reactivity between a Ruthenium Hexacationic Prism and Biological Ligands. Inorganic Chemistry, 2012, 51, 1057-1067.	4.0	65
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72	Naphthalimide-Tagged Ruthenium-Arene Anticancer Complexes: Combining Coordination with Intercalation. Organometallics, 2012, 31, 7031-7039.	2.3	143
73	Synthesis and biological activity of cymantrene and cyrhetrene 4-aminoquinoline conjugates against malaria, leishmaniasis, and trypanosomiasis. Dalton Transactions, 2012, 41, 6443.	3.3	47

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74	Challenges and Opportunities in the Development of Organometallic Anticancer Drugs. <i>Organometallics</i> , 2012, 31, 5677-5685.	2.3	507
75	Solid-phase synthesis of oxaliplatin- α -TATpeptide bioconjugates. <i>Dalton Transactions</i> , 2012, 41, 3001-3005.	3.3	65
76	The synthesis, structure, electrochemistry and in vitro anticancer activity studies of ferrocenyl-thymine conjugates. <i>Journal of Organometallic Chemistry</i> , 2012, 700, 58-68.	1.8	34
77	Microwave preparation of osmium clusters with anticancer activity; rapid syntheses of Os ₆ (CO) ₁₈ , Os ₃ (CO) ₁₀ (acetonitrile) ₂ , and Os ₃ (η^5 -H)(η^5 -OH)(CO) ₁₀ . <i>Journal of Organometallic Chemistry</i> , 2012, 700, 219-222.	1.8	7
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79	Synthesis, characterization and antitumor activity of novel amide derivatives containing ferrocenyl pyrazol-moiety. <i>Journal of Organometallic Chemistry</i> , 2012, 706-707, 113-123.	1.8	14
80	Synthesis and biological evaluation of novel ethyl 2-amino-6-ferrocenyl-1,6-dihydropyrimidine-5-carboxylates and ethyl 2-amino-6-ferrocenylpyrimidine-5-carboxylates. <i>Journal of Organometallic Chemistry</i> , 2012, 708-709, 37-45.	1.8	14
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82	Synthesis, cytotoxic activities and cell cycle arrest profiles of half-sandwich N-sulfonamide based dithio-o-carborane metal complexes. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 4693-4700.	3.0	12
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85	Threshold Ionization of Cobaltocene: The Metallocene Molecule Revealing Zero Kinetic Energy States. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11527-11530.	13.8	18
86	Titanocene / cyclodextrin supramolecular systems: a theoretical approach. <i>Chemistry Central Journal</i> , 2012, 6, 129.	2.6	4
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88	Metallocenes as target specific drugs for cancer treatment. <i>Inorganica Chimica Acta</i> , 2012, 393, 36-52.	2.4	52
89	Organometallic chemistry. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2012, 108, 71.	0.9	4
90	Advances in metal- α -carbene complexes as potent anti-cancer agents. <i>Metallomics</i> , 2012, 4, 23-32.	2.4	276
91	New half sandwich Ru(II) coordination compounds for anticancer activity. <i>Dalton Transactions</i> , 2012, 41, 7358.	3.3	47
92	Seven-membered cycloplatinated complexes as a new family of anticancer agents. X-ray characterization and preliminary biological studies. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 557-566.	5.5	37

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94	Oxidative DNA cleavage, cytotoxicity and antimicrobial studies of l-ornithine copper (II) complexes. <i>Polyhedron</i> , 2012, 48, 43-50.	2.2	21
95	Syntheses and in vitro antitumor activities of ferrocene-conjugated Arg-Gly-Asp peptides. <i>Journal of Inorganic Biochemistry</i> , 2012, 116, 19-25.	3.5	22
96	Cytotoxic hydrophilic iminophosphorane coordination compounds of d8 metals. Studies of their interactions with DNA and HSA. <i>Journal of Inorganic Biochemistry</i> , 2012, 116, 204-214.	3.5	56
97	Inhibitory activities and possible anticancer targets of Ru(II)-based complexes using computational docking method. <i>Journal of Molecular Graphics and Modelling</i> , 2012, 38, 60-69.	2.4	12
98	Bioinorganic Chemistry of Titanium. <i>Chemical Reviews</i> , 2012, 112, 1863-1881.	47.7	219
99	Ferrocene-Conjugated Copper(II) Complexes of L-Methionine and Phenanthroline Bases: Synthesis, Structure, and Photocytotoxic Activity. <i>Organometallics</i> , 2012, 31, 3010-3021.	2.3	65
100	Inhibition of Janus kinase 2 by cyclometalated rhodium complexes. <i>MedChemComm</i> , 2012, 3, 696.	3.4	32
101	Reactivity of cationic gold(I) carbene complexes toward oxidative addition of bromine. <i>Inorganica Chimica Acta</i> , 2012, 391, 141-149.	2.4	20
102	Anticancer Activity of Self-Assembled Molecular Rectangles via Arene–Ruthenium Acceptors and a New Unsymmetrical Amide Ligand. <i>Organometallics</i> , 2012, 31, 3519-3526.	2.3	73
103	Interaction of a ruthenium hexacationic prism with amino acids and biological ligands: ESI mass spectrometry and NMR characterisation of the reaction products. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 1053-1062.	2.6	24
104	Chemistry of Nanocontainers. <i>Topics in Current Chemistry</i> , 2012, , .	4.0	8
105	Dicarbido-closo-dodecarborane-containing half-sandwich complexes of ruthenium, osmium, rhodium and iridium: biological relevance and synthetic strategies. <i>Chemical Society Reviews</i> , 2012, 41, 3264.	38.1	117
106	The contrasting chemical reactivity of potent isoelectronic iminopyridine and azopyridine osmium(II) arene anticancer complexes. <i>Chemical Science</i> , 2012, 3, 2485.	7.4	96
107	Somatostatin Subtype-2 Receptor-Targeted Metal-Based Anticancer Complexes. <i>Bioconjugate Chemistry</i> , 2012, 23, 1838-1855.	3.6	55
108	Perspectives on what ruthenium-based compounds could offer in the development of potential antiparasitic drugs. <i>Inorganica Chimica Acta</i> , 2012, 393, 103-114.	2.4	87
109	Planar chiral (η ⁶ -arene)Cr(CO) ₃ containing carboxylic acid derivatives: Synthesis and use in the preparation of organometallic analogues of the antibiotic platensimycin. <i>Dalton Transactions</i> , 2012, 41, 112-117.	3.3	13
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112	Ferrocene-based antimalarials. Future Medicinal Chemistry, 2012, 4, 783-797.	2.3	50
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114	Modulating the activity of short arginine-tryptophan containing antibacterial peptides with N-terminal metallocenoyl groups. Beilstein Journal of Organic Chemistry, 2012, 8, 1753-1764.	2.2	63
115	Metallocene-Based Inhibitors of Cancer-Associated Carbonic Anhydrase Enzymes IX and XII. Journal of Medicinal Chemistry, 2012, 55, 5506-5517.	6.4	88
116	Sandwich and Half-Sandwich Derivatives of Platensimycin: Synthesis and Biological Evaluation. Organometallics, 2012, 31, 5760-5771.	2.3	43
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122	Ferrocenylselenoamides: Synthesis, Characterization and Cytotoxic Properties. Journal of Medicinal Chemistry, 2012, 55, 4652-4663.	6.4	23
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126	[(Cp ₂ Re)(CO) ₃] (M=Re or ^{99m} Tc) Arylsulfonamide, Arylsulfamide, and Arylsulfamate Conjugates for Selective Targeting of Human Carbonic Anhydrase IX. Angewandte Chemie - International Edition, 2012, 51, 3354-3357.	13.8	109
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132	Development of Selective Estrogen Receptor Modulator (SERM)-Like Activity Through an Indirect Mechanism of Estrogen Receptor Antagonism: Defining the Binding Mode of 7-oxabicyclo[2.2.1]hept-5-ene Scaffold Core Ligands. ChemMedChem, 2012, 7, 1094-1100.	3.2	27
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134	New Bioconjugated Rhenium Carbonyls by Transmetalation Reaction with Zinc Derivatives. Organometallics, 2012, 31, 5884-5893.	2.3	11
135	Iminosugar-ferrocene conjugates as potential anticancer agents. Organic and Biomolecular Chemistry, 2012, 10, 5592.	2.8	48
136	Synthesis and in vitro anti-tubercular evaluation of 1,2,3-triazole tethered 1 ² -lactam-ferrocene and 1 ² -lactam-ferrocenylchalcone chimeric scaffolds. Dalton Transactions, 2012, 41, 5778.	3.3	55
137	Structure-Activity Relationship and Mode of Action of <i>N</i> -(6-Ferrocenyl-2-naphthoyl) Dipeptide Ethyl Esters: Novel Organometallic Anticancer Compounds. Journal of Medicinal Chemistry, 2012, 55, 5455-5466.	6.4	33
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139	The potential of organometallic complexes in medicinal chemistry. Current Opinion in Chemical Biology, 2012, 16, 84-91.	6.1	415
140	Synthesis of [Ru(1-6-p-cymene)(PPh ₃)(L)Cl]PF ₆ complexes with carbohydrate-derived phosphites, imidazole or indazole co-ligands. Inorganica Chimica Acta, 2012, 380, 211-215.	2.4	10
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