

# Interference by Anti-Cancer Chemotherapeutic Agents Assay

Chemotherapy

50, 43-50

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Effect of Fludarabine on Leukocyte Functions. <i>Chemotherapy</i> , 2004, 50, 283-288.	0.8	13
2	Interference by Anti-Cancer Chemotherapeutic Agents in the MTT-Tumor Chemosensitivity Assay. <i>Chemotherapy</i> , 2004, 50, 43-50.	0.8	92
3	Induction of Apoptosis of Human Tumor Cells by a 4,9-Diazapyrenium Derivative and Its Affects on Topoisomerase-II Action. <i>Chemotherapy</i> , 2005, 51, 217-222.	0.8	11
4	Genomic changes identified by comparative genomic hybridisation in docetaxel-resistant breast cancer cell lines. <i>European Journal of Cancer</i> , 2005, 41, 1086-1094.	1.3	31
5	Individualized cancer chemotherapy integrating drug sensitivity tests, pathological profile analysis and computational coordination – An effective strategy to improve clinical treatment. <i>Medical Hypotheses</i> , 2006, 66, 45-51.	0.8	47
6	Goniotalamin induces apoptosis in vascular smooth muscle cells. <i>Chemico-Biological Interactions</i> , 2006, 159, 129-140.	1.7	56
7	A Mathematical Model for Capillary Formation and Development in Tumor Angiogenesis: A Review. <i>Chemotherapy</i> , 2006, 52, 35-37.	0.8	7
8	In vitro Induction of Apoptosis in U937 Cells by Perillyl Alcohol with Sensitization by Pentoxifylline: Increased BCL-2 and BAX Protein Expression. <i>Chemotherapy</i> , 2006, 52, 308-315.	0.8	18
9	Cytotoxicity of Diospyrin and Its Derivatives in Relation to the Generation of Reactive Oxygen Species in Tumour Cells in vitro and in vivo. <i>Chemotherapy</i> , 2007, 53, 173-176.	0.8	25
10	Induction of Apoptosis by <i>(Z)</i> -Stelletic Acid C, an Acetylenic Acid from the Sponge <i>Stelletta</i> sp., Is Associated with Inhibition of Telomerase Activity in Human Leukemic U937 Cells. <i>Chemotherapy</i> , 2007, 53, 160-168.	0.8	19
11	The MTT assay yields a relatively lower result of growth inhibition than the ATP assay depending on the chemotherapeutic drugs tested. <i>Toxicology in Vitro</i> , 2008, 22, 232-239.	1.1	159
12	Sanguinarine-Induced Apoptosis in Human Leukemia U937 Cells via Bcl-2 Downregulation and Caspase-3 Activation. <i>Chemotherapy</i> , 2008, 54, 157-165.	0.8	60
13	Pharmacological Modulation of p53 Function in Cancer Therapy. <i>Current Signal Transduction Therapy</i> , 2008, 3, 183-194.	0.3	5
14	Avicin D: A Protein Reactive Plant Isoprenoid Dephosphorylates Stat 3 by Regulating Both Kinase and Phosphatase Activities. <i>PLoS ONE</i> , 2009, 4, e5578.	1.1	26
15	Sulindac Enhances the Killing of Cancer Cells Exposed to Oxidative Stress. <i>PLoS ONE</i> , 2009, 4, e5804.	1.1	47
16	NSC23925, Identified in a High-Throughput Cell-Based Screen, Reverses Multidrug Resistance. <i>PLoS ONE</i> , 2009, 4, e7415.	1.1	40
17	A novel mixed micelle gel with thermo-sensitive property for the local delivery of docetaxel. <i>Journal of Controlled Release</i> , 2009, 135, 175-182.	4.8	124
18	Synthesis of Polynucleotide Modified Gold Nanoparticles as a High Potent Anti-Cancer Drug Carrier. <i>Journal of the Chinese Chemical Society</i> , 2009, 56, 703-708.	0.8	6

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20	Comparison of MTT assay, flow cytometry, and RT-PCR in the evaluation of cytotoxicity of five prosthodontic materials. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 95B, 357-364.	1.6	30
21	Salinomycin overcomes ABC transporter-mediated multidrug and apoptosis resistance in human leukemia stem cell-like KG-1a cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 1098-1104.	1.0	200
22	Investigation on the pharmacological profile of antimony(III) complexes with hydroxyquinoline derivatives: anti-trypanosomal activity and cytotoxicity against human leukemia cell lines. <i>BioMetals</i> , 2011, 24, 595-601.	1.8	20
23	In-vivo laxative and toxicological evaluation and in-vitro antitumour effects of <i>Mitracarpus frigidus</i> aerial parts. <i>Journal of Pharmacy and Pharmacology</i> , 2012, 64, 439-448.	1.2	13
24	Exocytosis of MTT formazan could exacerbate cell injury. <i>Toxicology in Vitro</i> , 2012, 26, 636-644.	1.1	95
25	Cytotoxicity of nanoparticles is influenced by size, proliferation and embryonic origin of the cells used for testing. <i>Nanotoxicology</i> , 2012, 6, 424-439.	1.6	53
26	Establishment and characterization of a novel chordoma cell line: CH22. <i>Journal of Orthopaedic Research</i> , 2012, 30, 1666-1673.	1.2	37
27	Diving for drugs: tunicate anticancer compounds. <i>Drug Discovery Today</i> , 2012, 17, 636-648.	3.2	30
28	Investigation on the bioactivities of clioquinol and its bismuth(III) and platinum(II,IV) complexes. <i>Polyhedron</i> , 2013, 63, 28-35.	1.0	29
29	Quantitative high-throughput efficacy profiling of approved oncology drugs in inflammatory breast cancer models of acquired drug resistance and re-sensitization. <i>Cancer Letters</i> , 2013, 337, 77-89.	3.2	25
30	Cytotoxic activity, albumin and DNA binding of new copper(II) complexes with chalcone-derived thiosemicarbazones. <i>European Journal of Medicinal Chemistry</i> , 2013, 65, 415-426.	2.6	65
31	Additive enhancement of apoptosis by TRAIL and fenretinide in metastatic breast cancer cells in vitro. <i>Biomedicine and Pharmacotherapy</i> , 2014, 68, 477-482.	2.5	12
32	Interference of Phenylethanoid Glycosides from <i>Cistanche tubulosa</i> with the MTT Assay. <i>Molecules</i> , 2015, 20, 8060-8071.	1.7	22
33	Photochemical internalization of bleomycin and temozolomide in vitro studies on the glioma cell line F98. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 1357-1366.	1.6	8
34	Enhanced in vitro cytotoxicity and cellular uptake of DNA bases functionalized gold nanoparticles in HeLa cell lines. <i>RSC Advances</i> , 2015, 5, 13402-13410.	1.7	7
35	Pitfalls of the MTT assay: Direct and off-target effects of inhibitors can result in over/underestimation of cell viability. <i>Gene</i> , 2015, 574, 193-203.	1.0	219
36	Synthesis and cytotoxicity evaluation of thiosemicarbazones and their thiazole derivatives. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2016, 52, 299-308.	1.2	18
37	Deep Phosphoproteomic Measurements Pinpointing Drug Induced Protective Mechanisms in Neuronal Cells. <i>Frontiers in Physiology</i> , 2016, 7, 635.	1.3	6

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38	Bismuth(III) complexes with 2-acetylpyridine- and 2-benzoylpyridine-derived hydrazones: Antimicrobial and cytotoxic activities and effects on the clonogenic survival of human solid tumor cells. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 2988-2998.	1.4	39
39	Cyclin-Dependent Kinase 11 (CDK11) Is Required for Ovarian Cancer Cell Growth In Vitro and In Vivo, and Its Inhibition Causes Apoptosis and Sensitizes Cells to Paclitaxel. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 1691-1701.	1.9	31
40	Metal complexes of 3-(4-bromophenyl)-1-pyridin-2-ylprop-2-en-1-one thiosemicarbazone: cytotoxic activity and investigation on the mode of action of the gold(III) complex. <i>BioMetals</i> , 2016, 29, 515-526.	1.8	19
41	Human topoisomerase IB is a target of a thiosemicarbazone copper(II) complex. <i>Archives of Biochemistry and Biophysics</i> , 2016, 606, 34-40.	1.4	22
42	Guidelines for the selection of functional assays to evaluate the hallmarks of cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016, 1866, 300-319.	3.3	89
43	TIRF high-content assay development for the evaluation of drug efficacy of chemotherapeutic agents against EGFR-/HER2-positive breast cancer cell lines. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3233-3238.	1.9	2
44	New liposomal doxorubicin nanoformulation for osteosarcoma: Drug release kinetic study based on thermo and pH sensitivity. <i>Chemical Biology and Drug Design</i> , 2017, 90, 368-379.	1.5	46
45	Isolation and characterization of Ceba2, a natural alliospiroside A, from shallot ( <i>Allium cepa</i> L.) Tj ETQq1 1 0.784314, rgBT /Oylock 10 2.8 31	2.8	31
46	A novel in vitro image-based assay identifies new drug leads for giardiasis. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2017, 7, 83-89.	1.4	20
47	Cytotoxic and antimicrobial effects of indium(III) complexes with 2-acetylpyridine-derived thiosemicarbazones. <i>Dalton Transactions</i> , 2017, 46, 918-932.	1.6	37
48	Indium(III) complexes with 2-acetylpyridine-derived thiosemicarbazones exhibit cytotoxic activity against human leukemia and solid tumor cell lines. <i>Polyhedron</i> , 2017, 135, 72-78.	1.0	13
49	Nanotechnology in Drug Discovery and Development. , 2017, , 264-295.		12
50	The MTT viability assay yields strikingly false-positive viabilities although the cells are killed by some plant extracts. <i>Turkish Journal of Biology</i> , 2017, 41, 919-925.	2.1	50
51	Correlation of structural features of novel 1,2,3-triazoles with their neurotoxic and tumoricidal properties. <i>Chemico-Biological Interactions</i> , 2018, 291, 253-263.	1.7	19
52	Integration of conventional cell viability assays for reliable and reproducible read-outs: experimental evidence. <i>BMC Research Notes</i> , 2018, 11, 403.	0.6	16
53	Physicochemical characterization and cytotoxicity evaluation of mercury-based formulation for the development of anticancer therapeutics. <i>PLoS ONE</i> , 2018, 13, e0195800.	1.1	9
54	Importance of Metal-Ion Exchange for the Biological Activity of Coordination Complexes of the Biomimetic Ligand N4Py. <i>Inorganic Chemistry</i> , 2018, 57, 7748-7756.	1.9	23
55	&lt;p&gt;Mechanisms of resistance to a PI3K inhibitor in gastrointestinal stromal tumors: an &lt;em&gt;omic&lt;/em&gt; approach to identify novel druggable targets&lt;/p&gt;. <i>Cancer Management and Research</i> , 2019, Volume 11, 6229-6244.	0.9	2

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56	In vitro assessment of the cytotoxicity of Gallium(III) complexes with Isoniazid-Derived Hydrazones: Effects on clonogenic survival of HCT-116 cells. <i>Inorganica Chimica Acta</i> , 2019, 497, 119079.	1.2	15
57	A convenient workflow to spot photosensitizers revealed photo-activity in basidiomycetes. <i>RSC Advances</i> , 2019, 9, 4545-4552.	1.7	18
58	Chemoradiotherapy screening in a novel biomimetic polymer based pancreatic cancer model. <i>RSC Advances</i> , 2019, 9, 41649-41663.	1.7	21
59	Modeling chemotherapy induced peripheral neuropathy (CIPN) in vitro: Prospects and limitations. <i>Experimental Neurology</i> , 2020, 326, 113140.	2.0	26
60	Arsenic(III) mixed derivatives having oximes and morpholinedithiocarbamate along with their cytotoxic, antimicrobial, and antioxidant studies. <i>Journal of Biochemical and Molecular Toxicology</i> , 2020, 34, e22581.	1.4	2
61	In Vitro Growth- and Encystation-Inhibitory Efficacies of Matcha Green Tea and Epigallocatechin Gallate Against <i>Acanthamoeba Castellani</i> . <i>Pathogens</i> , 2020, 9, 763.	1.2	4
62	Cytotoxicity of Platinum and Palladium Chelates against Osteosarcoma. <i>ChemistrySelect</i> , 2020, 5, 5993-6000.	0.7	10
63	Soloxolone methyl, as a $^{18}\text{F}$ -glycyrrhetic acid derivate, may result in endoplasmic reticulum stress to induce apoptosis in breast cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 30, 115963.	1.4	14
64	MTT based L-aminoacid oxidase activity test for determination of antivenom potency against <i>Vipera ammodytes</i> envenomation. <i>Toxicon</i> , 2021, 192, 57-65.	0.8	2
65	In Vitro Liver Toxicity Testing of Chemicals: A Pragmatic Approach. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5038.	1.8	18
66	Tumor Chemosensitivity Assays Are Helpful for Personalized Cytotoxic Treatments in Cancer Patients. <i>Medicina (Lithuania)</i> , 2021, 57, 636.	0.8	7
67	Advanced Nanoparticle-Based Drug Delivery Systems and Their Cellular Evaluation for Non-Small Cell Lung Cancer Treatment. <i>Cancers</i> , 2021, 13, 3539.	1.7	9
68	Macrophage migration inhibitory factor (MIF) inhibitor 4-IPP downregulates stemness phenotype and mesenchymal trans-differentiation after irradiation in glioblastoma multiforme. <i>PLoS ONE</i> , 2021, 16, e0257375.	1.1	8
69	Chemical Composition of East Asian Invasive Knotweeds, their Cytotoxicity and Antimicrobial Efficacy Against Cariogenic Pathogens: An In-Vitro Study. <i>Medical Science Monitor</i> , 2019, 25, 3279-3287.	0.5	13
70	Multi-Modality Therapeutics with Potent Anti-Tumor Effects: Photochemical Internalization Enhances Delivery of the Fusion Toxin scFvMEL/rGel. <i>PLoS ONE</i> , 2009, 4, e6691.	1.1	49
71	Nordamnacanthol induced apoptosis and mitotic-G2/M arrest with downregulation of Bcl-2 in the human breast cancer cell line (MCF-7). <i>Medical and Health Science Journal</i> , 2010, 2, 27-38.	0.1	4
72	The transcription factor ZEB1 promotes chemoresistance in prostate cancer cell lines. <i>Asian Journal of Andrology</i> , 2019, 21, 460.	0.8	26
73	An inexpensive, customizable microscopy system for the automated quantification and characterization of multiple adherent cell types. <i>PeerJ</i> , 2018, 6, e4937.	0.9	4

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74	The marine toxin, Yessotoxin, induces apoptosis and increases mitochondrial activity. <i>Frontiers in Marine Science</i> , 0, 1, .	1.2	0
75	A comparative study of MTT and WST-1 assays in cytotoxicity analysis. <i>Haydarpasa Numune Training and Research Hospital Medical Journal</i> , 2019, , .	0.0	3
76	Tetrazolium Bazı Sitotoksikite Testleri Her Zaman Doğru Sonuçlar Yansıtmayabilir. <i>Harran Üniversitesi Tıp Fakültesi Dergisi</i> , 2020, 17, 6-12.	0.1	3
77	Comparison of Cytotoxic Activity of Anticancer Drugs against Various Human Tumor Cell Lines Using In Vitro Cell-Based Approach. <i>International Journal of Biomedical Science</i> , 2012, 8, 76-80.	0.5	22
78	5-Fluorouracil Induce the Expression of TLR4 on HCT116 Colorectal Cancer Cell Line Expressing Different Variants of TLR4. <i>Iranian Journal of Pharmaceutical Research</i> , 2013, 12, 453-60.	0.3	18
79	Synthesis, in-vivo anti-diabetic & anticancer activities and molecular modelling studies of tetrahydrobenzo[d]thiazole tethered nicotinothiazide derivatives. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103546.	2.3	12
80	Medicinal plants show remarkable antiproliferative potential in human cancer cell lines. <i>Bioscience, Biotechnology and Biochemistry</i> , 2022, 86, 362-367.	0.6	1
81	Targeting breast cancer resistance protein (BCRP/ABCG2): Functional inhibitors and expression modulators. <i>European Journal of Medicinal Chemistry</i> , 2022, 237, 114346.	2.6	22
82	Evaluation of Anti-Cancer Effects of Caspian Cobra ( <i>Naja naja oxiana</i> ) Snake Venom in Comparison with Doxorubicin in HeLa Cancer Cell Line and Normal HFF Fibroblast. <i>Majallah-i Dānishgāh-i Ārshād-i Pizishk-i Ālām</i> , 2021, 29, 20-27.	0.1	0
83	Efficient Assay and Marker Significance of NAD <sup>+</sup> in Human Blood. <i>Frontiers in Medicine</i> , 2022, 9, .	1.2	5
84	Spectro-electrochemical, fluorometric and biothermodynamic evaluation of pharmacologically active morpholine scaffold single crystal ligand and its metal(II) complexes: A comparative study on in-vitro and in-silico screening towards DNA/BSA/SARS-CoV-19. <i>Journal of Inorganic Biochemistry</i> , 2022, 236, 111953.	1.5	8
85	Comprehensive Assessment of Biomolecular Interactions of Morpholine-Based Mixed Ligand Cu(II) and Zn(II) Complexes of 2,2'-Bipyridine as Potential Anticancer and SARS-CoV-2 Agents: A Synergistic Experimental and Structure-Based Virtual Screening. <i>Bioinorganic Chemistry and Applications</i> , 2022, 1-29.	1.8	0
86	DNA G-quadruplex-stabilizing metal complexes as anticancer drugs. <i>Journal of Biological Inorganic Chemistry</i> , 2023, 28, 117-138.	1.1	8
87	Integration of quantitative methods and mathematical approaches for the modeling of cancer cell proliferation dynamics. <i>American Journal of Physiology - Cell Physiology</i> , 2023, 324, C247-C262.	2.1	4
88	An Integrated Analysis of Mechanistic Insights into Biomolecular Interactions and Molecular Dynamics of Bio-Inspired Cu(II) and Zn(II) Complexes towards DNA/BSA/SARS-CoV-2 3CL <sup>pro</sup> by Molecular Docking-Based Virtual Screening and FRET Detection. <i>Biomolecules</i> , 2022, 12, 1883.	1.8	0
89	A novel analytical, bioanalytical and theoretical approach to the platinum(II)-3-hydroxy-2-(4-methoxyphenyl)-4H-chromen-4-one complex. <i>Results in Chemistry</i> , 2023, 5, 100767.	0.9	0
90	Exploring the antioxidant, antimicrobial, cytotoxic and biothermodynamic properties of novel morpholine derivative bioactive Mn(II), Co(II) and Ni(II) complexes – combined experimental and theoretical measurements towards DNA/BSA/SARS-CoV-2 3CL <sup>pro</sup> . <i>RSC Medicinal Chemistry</i> , 2023, 14, 1667-1697.	1.7	1
91	Methods for assessing the viability of cells cultured in vitro in 2D and 3D structures. <i>Genes and Cells</i> , 2023, 18, 5-21.	0.2	0

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92	The MTT Assay: A Method for Error Minimization and Interpretation in Measuring Cytotoxicity and Estimating Cell Viability. <i>Methods in Molecular Biology</i> , 2023, , 15-33.	0.4	14