

Diethyldithiocarbamate complex with copper: the mech

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Phosphanegold(III) dithiocarbamates, R ₃ PAu[SC(S)N(iPr)CH ₂ CH ₂ OH] for R=Ph, Cy and Et: Role of phosphane-bound R substituents upon in vitro cytotoxicity against MCF-7 breast cancer cells and cell death pathways. <i>European Journal of Medicinal Chemistry</i> , 2013, 67, 127-141.	5.5	46
2	A conceptually new treatment approach for relapsed glioblastoma: Coordinated undermining of survival paths with nine repurposed drugs (CUSP9) by the International Initiative for Accelerated Improvement of Glioblastoma Care. <i>Oncotarget</i> , 2013, 4, 502-530.	1.8	152
3	Activation of the MAPK11/12/13/14 (p38 MAPK) pathway regulates the transcription of autophagy genes in response to oxidative stress induced by a novel copper complex in HeLa cells. <i>Autophagy</i> , 2014, 10, 1285-1300.	9.1	82
4	Diethyldithiocarbamate complexes with metals used as food supplements show different effects in cancer cells. <i>Journal of Applied Biomedicine</i> , 2014, 12, 301-308.	1.7	17
5	Inhibitory effect of Disulfiram/copper complex on non-small cell lung cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 1010-1016.	2.1	84
6	Deubiquitinases in cancer. <i>Oncotarget</i> , 2015, 6, 12872-12889.	1.8	52
7	Disulfiram and Copper Ions Kill Mycobacterium tuberculosis in a Synergistic Manner. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4835-4844.	3.2	72
8	Antitumor activity of a 2-pyridinecarboxaldehyde 2-pyridinecarboxylic acid hydrazone copper complex and the related mechanism. <i>Oncology Reports</i> , 2015, 34, 1311-1318.	2.6	11
9	Deubiquitinases (DUBs) and DUB inhibitors: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2015, 25, 1191-1208.	5.0	93
10	Molecular mechanisms of apoptosis and cell selectivity of zinc dithiocarbamates functionalized with hydroxyethyl substituents. <i>Journal of Inorganic Biochemistry</i> , 2015, 150, 48-62.	3.5	36
11	A novel proteasome inhibitor suppresses tumor growth via targeting both 19S proteasome deubiquitinases and 20S proteolytic peptidases. <i>Scientific Reports</i> , 2014, 4, 5240.	3.3	60
12	Copper Ion Attenuated the Antiproliferative Activity of Di-2-pyridylhydrazone Dithiocarbamate Derivative; However, There Was a Lack of Correlation between ROS Generation and Antiproliferative Activity. <i>Molecules</i> , 2016, 21, 1088.	3.8	19
13	Detention of copper by sulfur nanoparticles inhibits the proliferation of A375 malignant melanoma and MCF-7 breast cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 1031-1037.	2.1	36
14	Delivery of disulfiram into breast cancer cells using folate-receptor-targeted PLGA-PEG nanoparticles: in vitro and in vivo investigations. <i>Journal of Nanobiotechnology</i> , 2016, 14, 32.	9.1	107
15	PRCosomes: pretty reactive complexes formed in liposomes. <i>Journal of Drug Targeting</i> , 2016, 24, 787-796.	4.4	17
16	The comparative effects of diethyldithiocarbamate-copper complex with established proteasome inhibitors on expression levels of CYP1A2/3A4 and their master regulators, aryl hydrocarbon and pregnane X receptor in primary cultures of human hepatocytes. <i>Fundamental and Clinical Pharmacology</i> , 2016, 30, 585-595.	1.9	4
17	Disulfiram moderately restores impaired hepatic redox status of rats subchronically exposed to cadmium. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 478-489.	5.2	11
18	Metal-based proteasomal deubiquitinase inhibitors as potential anticancer agents. <i>Cancer and Metastasis Reviews</i> , 2017, 36, 655-668.	5.9	40

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19	Synthesis, characterization, DNA binding and cleavage activity of homoleptic zinc(II) β^2 -oxodithioester chelate complexes. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3171-3185.	2.2	5
20	A Perspective “can copper complexes be developed as a novel class of therapeutics?”. <i>Dalton Transactions</i> , 2017, 46, 10758-10773.	3.3	140
21	Disulfiram overcomes bortezomib and cytarabine resistance in Down-syndrome-associated acute myeloid leukemia cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017, 36, 22.	8.6	40
22	Synthesis, biological characterization and evaluation of molecular mechanisms of novel copper complexes as anticancer agents. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 218-234.	2.4	76
23	Cobalt(III) dithiocarbamates for anion sensing and preparation of cobalt sulfide and cobalt-iron sulfide nanoparticles: Photocatalytic degradation of dyes with as-prepared nanoparticles. <i>Inorganica Chimica Acta</i> , 2017, 455, 132-139.	2.4	29
24	Synthesis, characterization, cytotoxicity and antimicrobial studies on Bi(III) dithiocarbamate complexes containing furfuryl group and their use for the preparation of Bi ₂ O ₃ nanoparticles. <i>Polyhedron</i> , 2017, 121, 70-79.	2.2	28
25	Novel copper complexes as potential proteasome inhibitors for cancer treatment. <i>Molecular Medicine Reports</i> , 2017, 15, 3-11.	2.4	69
26	Antiproliferative activity of di-2-pyridylhydrazone dithiocarbamate acetate partly involved in p53 mediated apoptosis and autophagy. <i>International Journal of Oncology</i> , 2017, 51, 1909-1919.	3.3	12
27	Development and optimization of an injectable formulation of copper diethyldithiocarbamate, an active anticancer agent. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 4129-4146.	6.7	52
28	Time dependent-density functional theory (TD-DFT) and experimental studies of UV-Visible spectra and cyclic voltammetry for Cu(II) complex with Et ₂ DTC. <i>Journal of Molecular Structure</i> , 2018, 1157, 463-468.	3.6	7
29	Cadmium pyrithione suppresses tumor growth in vitro and in vivo through inhibition of proteasomal deubiquitinase. <i>BioMetals</i> , 2018, 31, 29-43.	4.1	9
30	Disulfiram Copper Nanoparticles Prepared with a Stabilized Metal Ion Ligand Complex Method for Treating Drug-Resistant Prostate Cancers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41118-41128.	8.0	109
31	Preparation of sulfur nanoparticles and their antibacterial activity and cytotoxic effect. <i>Materials Science and Engineering C</i> , 2018, 92, 508-517.	7.3	82
32	Proteasome versus Thioredoxin Reductase Competition as Possible Biological Targets in Antitumor Mixed Thiolate-Dithiocarbamate Gold(III) Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 10832-10845.	4.0	33
33	A novel copper (II) complex activated both extrinsic and intrinsic apoptotic pathways in liver cancerous cells. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 12280-12289.	2.6	8
34	Oncostatic treatment effect of triple negative breast cancer cell line with copper (I)-nicotinate complex. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 4278-4290.	2.6	8
35	Mechanism of cystathionine- β^2 -synthase inhibition by disulfiram: The role of bis(N,N-diethyldithiocarbamate)-copper(II). <i>Biochemical Pharmacology</i> , 2020, 182, 114267.	4.4	23
36	A Ferritin-Albumin-Cu Nanoparticle that Efficaciously Delivers Copper(II) Ions to a Tumor and Improves the Therapeutic Efficacy of Disulfiram. <i>ACS Omega</i> , 2020, 5, 10415-10422.	3.5	10

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37	Nanoscale Copper(II)-Diethyldithiocarbamate Coordination Polymer as a Drug Self-Delivery System for Highly Robust and Specific Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2020, 17, 2864-2873.	4.6	35
38	Co-encapsulation of sodium diethyldithiocarbamate (DETC) and zinc phthalocyanine (ZnPc) in liposomes promotes increases phototoxic activity against (MDA-MB 231) human breast cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111434.	5.0	21
39	The revival of dithiocarbamates: from pesticides to innovative medical treatments. <i>IScience</i> , 2021, 24, 102092.	4.1	44
40	Biochemical pathways of copper complexes: progress over the past 5 years. <i>Drug Discovery Today</i> , 2021, 26, 1086-1096.	6.4	47
41	Smart responsive nanoplatfrom via in situ forming disulfiram-copper ion chelation complex for cancer combination chemotherapy. <i>Chemical Engineering Journal</i> , 2021, 415, 128947.	12.7	43
42	Induction of Apoptosis and Autophagy by Ternary Copper Complex Towards Breast Cancer Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2022, 22, 1159-1170.	1.7	7
43	Modulation of Intracellular Copper Levels as the Mechanism of Action of Anticancer Copper Complexes: Clinical Relevance. <i>Biomedicines</i> , 2021, 9, 852.	3.2	93
44	Copper Dithiocarbamates: Coordination Chemistry and Applications in Materials Science, Biosciences and Beyond. <i>Inorganics</i> , 2021, 9, 70.	2.7	26
45	Novel nanoformulated diethyldithiocarbamate complexes with biosynthesized or green chemosynthesized copper oxide nanoparticles: An in vitro comparative anticancer study. <i>International Journal of Pharmaceutics</i> , 2021, 609, 121149.	5.2	5
46	[N,N-Bis(2-hydroxyethyl)dithiocarbamate- η^2 S, η^2]bis(triphenylphosphane- η^3 P)copper(I) chloroform monosolvate: crystal structure, Hirshfeld surface analysis and solution NMR measurements. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1799-1805.	0.5	3
47	Disulfiram/copper causes redox-related proteotoxicity and concomitant heat shock response in ovarian cancer cells that is augmented by auranofin-mediated thioredoxin inhibition. <i>Oncoscience</i> , 2013, 1, 21-29.	2.2	36
48	Clinically used antirheumatic agent auranofin is a proteasomal deubiquitinase inhibitor and inhibits tumor growth. <i>Oncotarget</i> , 2014, 5, 5453-5471.	1.8	139
49	Anticancer activity and chemoprevention of xenobiotic organosulfurs in preclinical model systems. <i>Oncology Discovery</i> , 2013, 1, 4.	0.5	6
50	Diethyldithiocarbamate Suppresses an NF- κ B Dependent Metastatic Pathway in Cholangiocarcinoma Cells. <i>Asian Pacific Journal of Cancer Prevention</i> , 2013, 14, 4441-4446.	1.2	13
51	Toxicological Evaluation of Disulfiram, Copper Gluconate and Disulfiram/Copper Gluconate Combination on Renal Function in Rodents. <i>Pharmacology & Pharmacy</i> , 2015, 06, 86-93.	0.7	0
52	Clinical trials on combination of repurposed drugs and anticancer therapies. , 2020, , 395-437.		0
53	Cytotoxic and Apoptotic Effects of Chemogenic and Biogenic Nano-sulfur on Human Carcinoma Cells: A Comparative Study. <i>ACS Omega</i> , 2021, 6, 32548-32562.	3.5	5
54	Metal Complexes or Chelators with ROS Regulation Capacity: Promising Candidates for Cancer Treatment. <i>Molecules</i> , 2022, 27, 148.	3.8	15

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55	A Stimuli-Responsive Small-Molecule Metal-Carrying Prochelator: A Novel Prodrug Design Strategy for Metal Complexes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202203500.	13.8	7
56	A Stimuli-Responsive Small-Molecule Metal-Carrying Prochelator: A Novel Prodrug Design Strategy for Metal Complexes. <i>Angewandte Chemie</i> , 0, , .	2.0	0
57	Sphingomyelin-based PEGylation Cu (DDC) ₂ liposomes prepared via the dual function of Cu ²⁺ for cancer therapy: Facilitating DDC loading and exerting synergistic antitumor effects. <i>International Journal of Pharmaceutics</i> , 2022, 621, 121788.	5.2	10
58	ROS-triggered cycle amplification effect: A prodrug activation nanoamplifier for tumor-specific therapy. <i>Acta Biomaterialia</i> , 2022, 152, 367-379.	8.3	7
59	Diethyldithiocarbamate copper nanoparticle overcomes resistance in cancer therapy without inhibiting P-glycoprotein. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2023, 47, 102620.	3.3	9
60	A labile iridium(III) complex-based luminogenic probe for the ratiometric detection of dithiocarbamate compounds in living system. <i>Sensors and Actuators B: Chemical</i> , 2023, 378, 133133.	7.8	4
61	Water-soluble copper pyrrhione complexes with cytotoxic and antibacterial activity. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 2539-2544.	2.8	2
62	Identification of a copper <scp>metabolism-related</scp> gene signature for predicting prognosis and immune response in glioma. <i>Cancer Medicine</i> , 2023, 12, 10123-10137.	2.8	6
63	A comparative study of smart nanoformulations of diethyldithiocarbamate with Cu ₄ O ₃ nanoparticles or zinc oxide nanoparticles for efficient eradication of metastatic breast cancer. <i>Scientific Reports</i> , 2023, 13, .	3.3	3
64	Addressing the gaps in homeostatic mechanisms of copper and copper dithiocarbamate complexes in cancer therapy: a shift from classical platinum-drug mechanisms. <i>Dalton Transactions</i> , 0, , .	3.3	3
65	The immunomodulatory function and antitumor effect of disulfiram: paving the way for novel cancer therapeutics. <i>Discover Oncology</i> , 2023, 14, .	2.1	2
67	Identification of novel dithiocarbamate-copper complexes targeting p97/NPL4 pathway in cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2023, 261, 115790.	5.5	0
68	Dissecting copper biology and cancer treatment: ~Activating Cuproptosis or suppressing Cuproplasia~™. <i>Coordination Chemistry Reviews</i> , 2023, 495, 215395.	18.8	3
69	Antioxidant Enzymes in Cancer Cells: Their Role in Photodynamic Therapy Resistance and Potential as Targets for Improved Treatment Outcomes. <i>International Journal of Molecular Sciences</i> , 2024, 25, 3164.	4.1	0