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Recent Advances in Antabuse (Disulfiram): The Importance of its Metal-binding Ability to its Anticancer Activity

DOI: 10.2174/0929867324666171023161121

Current Medicinal Chemistry, 2018, 25, 506-524.

Source: <https://exaly.com/paper-pdf/88175470/citation-report.pdf>

Version: 2024-04-03

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#	Paper	IF	Citations
54	Investigation of the key chemical structures involved in the anticancer activity of disulfiram in A549 non-small cell lung cancer cell line. <i>BMC Cancer</i> , 2018 , 18, 753	4.8	24
53	Zinc signaling and epilepsy. <i>Pharmacology & Therapeutics</i> , 2019 , 193, 156-177	13.9	27
52	Disulfiram and BKM120 in Combination with Chemotherapy Impede Tumor Progression and Delay Tumor Recurrence in Tumor Initiating Cell-Rich TNBC. <i>Scientific Reports</i> , 2019 , 9, 236	4.9	20
51	Copper Depletion as a Therapeutic Strategy in Cancer. <i>Metal Ions in Life Sciences</i> , 2019 , 19,	2.6	11
50	Development of Injectable PEGylated Liposome Encapsulating Disulfiram for Colorectal Cancer Treatment. <i>Pharmaceutics</i> , 2019 , 11,	6.4	20
49	Posterior Reversible Encephalopathy Syndrome Instigated by Off-Label Disulfiram Use for Metastatic Melanoma. <i>Psychosomatics</i> , 2020 , 61, 302-306	2.6	1
48	Nanotechnological approaches in cancer: the role of celecoxib and disulfiram. 2020 , 353-393		1
47	Anticancer boron-containing prodrugs responsive to oxidative stress from the tumor microenvironment. <i>European Journal of Medicinal Chemistry</i> , 2020 , 207, 112670	6.8	20
46	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	5.6	16
45	Radiosynthesis of [thiocarbonyl-C]disulfiram and its first PET study in mice. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 126998	2.9	0
44	Turning liabilities into opportunities: Off-target based drug repurposing in cancer. <i>Seminars in Cancer Biology</i> , 2021 , 68, 209-229	12.7	11
43	The revival of dithiocarbamates: from pesticides to innovative medical treatments. <i>IScience</i> , 2021 , 24, 102092	6.1	14
42	Dual Action of Acidic Microenvironment on the Enrichment of the Active Metabolite of Disulfiram in Tumor Tissues. <i>Drug Metabolism and Disposition</i> , 2021 , 49, 434-441	4	2
41	Differential Cytotoxicity Mechanisms of Copper Complexed with Disulfiram in Oral Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
40	Antibacterial Effects of Disulfiram in. <i>Infection and Drug Resistance</i> , 2021 , 14, 1757-1764	4.2	4
39	A Phase 1 dose-escalation study of disulfiram and copper gluconate in patients with advanced solid tumors involving the liver using S-glutathionylation as a biomarker. <i>BMC Cancer</i> , 2021 , 21, 510	4.8	7
38	Identification of disulfiram as a potential antifungal drug by screening small molecular libraries. <i>Journal of Infection and Chemotherapy</i> , 2021 , 27, 696-701	2.2	8

37	Insights into the Antimicrobial Potential of Dithiocarbamate Anions and Metal-Based Species. <i>Inorganics</i> , 2021 , 9, 48	2.9	8
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35	Novel nanoformulation of disulfiram with bacterially synthesized copper oxide nanoparticles for augmenting anticancer activity: an in vitro study. <i>Cancer Nanotechnology</i> , 2021 , 12,	7.9	2
34	Disulfiram Chelated with Copper Promotes Apoptosis in Osteosarcoma via ROS/Mitochondria Pathway. <i>Biological and Pharmaceutical Bulletin</i> , 2021 , 44, 1557-1564	2.3	4
33	Repurposing Disulfiram as An Anti-Cancer Agent: Updated Review on Literature and Patents. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2019 , 14, 113-132	2.6	54
32	Overexpression of Mucin 1 Suppresses the Therapeutical Efficacy of Disulfiram against Canine Mammary Tumor. <i>Animals</i> , 2020 , 11,	3.1	3
31	Epigenetic regulation of prostate cancer: the theories and the clinical implications. <i>Asian Journal of Andrology</i> , 2019 , 21, 279-290	2.8	18
30	Drug Repositioning With an Anticancer Effect: Contributions to Reduced Cancer Incidence in Susceptible Individuals. <i>In Vivo</i> , 2021 , 35, 3039-3044	2.3	0
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25	Effect of copper on the antifungal activity of disulfiram (Antabuse®) in fluconazole-resistant <i>Candida</i> strains.. <i>Medical Mycology</i> , 2022 ,	3.9	1
24	Anticancer effects of disulfiram in T-cell malignancies through NPL4-mediated ubiquitin-proteasome pathway.. <i>Journal of Leukocyte Biology</i> , 2022 ,	6.5	1
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18	The NLRP3 Inflammasome Pathway: A Review of Mechanisms and Inhibitors for the Treatment of Inflammatory Diseases. <i>Frontiers in Aging Neuroscience</i> , 14,	5.3	6
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16	Self-assembled nanoprodugs from reducible dextran-diethyldithiocarbamate conjugates for robust tumor-targeted chemotherapy.		0
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3	Clinical, pharmacological, and formulation evaluation of disulfiram in the treatment of glioblastoma - a systematic literature review. 1-17		0
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1 Combined treatment of disulfiram with PARP inhibitors suppresses ovarian cancer. 13, o