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Sildenafil increases chemotherapeutic efficacy of doxorubicin in prostate cancer and ameliorates cardiac dysfu

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#	Paper	IF	Citations
122	Possibilities to increase the effectiveness of doxorubicin in cancer cells killing. 2011 , 43, 540-57		49
121	The role of reactive oxygen species in WP 631-induced death of human ovarian cancer cells: a comparison with the effect of doxorubicin. 2011 , 25, 1712-20		29
120	Baicalein protects against doxorubicin-induced cardiotoxicity by attenuation of mitochondrial oxidant injury and JNK activation. 2011 , 112, 2873-81		61
119	Sildenafil reverses ABCB1- and ABCG2-mediated chemotherapeutic drug resistance. 2011 , 71, 3029-41		139
118	Evidence for Pleiotropic Effects of Phosphodiesterase-5 (PDE5) Inhibitors: Emerging Concepts in Cancer and Cardiovascular Medicine. 2011 , 108, 1040-1041		2
117	Roles of sildenafil in enhancing drug sensitivity in cancer. 2011 , 71, 3735-8		52
116	Molecular mechanisms of pharmaceutical drug binding into calsequestrin. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 14326-43	6.3	6
115	Quantitative study of focused ultrasound enhanced doxorubicin delivery to prostate tumor in vivo with MRI guidance. 2012 , 39, 2780-6		12
114	The metallophosphodiesterase Mpped2 impairs tumorigenesis in neuroblastoma. 2012 , 11, 569-81		24
113	Organic/inorganic nanovesicles for doxorubicin storage and release. 2012 , 8, 5756		23
112	Doxorubicin-induced cardiomyopathy: from molecular mechanisms to therapeutic strategies. 2012 , 52, 1213-25		840
111	Synergistic cytotoxic action of cisplatin and withaferin A on ovarian cancer cell lines. 2012 , 423, 819-25		43
110	Cyclic guanosine monophosphate signaling and phosphodiesterase-5 inhibitors in cardioprotection. 2012 , 59, 1921-7		58
109	Sildenafil stimulates the expression of gaseous monoxide-generating enzymes in vascular smooth muscle cells via distinct signaling pathways. 2012 , 84, 1045-54		19
108	Anti-inflammatory and cardioprotective effects of tadalafil in diabetic mice. 2012 , 7, e45243		65
107	New insights into chronic inflammation-induced immunosuppression. 2012 , 22, 307-18		145
106	PDE5 inhibitors, sildenafil and vardenafil, reverse multidrug resistance by inhibiting the efflux function of multidrug resistance protein 7 (ATP-binding Cassette C10) transporter. 2012 , 103, 1531-7		34

105	Potential therapeutic applications of phosphodiesterase inhibition in prostate cancer. 2013 , 31, 325-30	28
104	FGF-2 and FGF-16 protect isolated perfused mouse hearts from acute doxorubicin-induced contractile dysfunction. 2013 , 13, 244-53	20
103	Gambogic acid sensitizes ovarian cancer cells to doxorubicin through ROS-mediated apoptosis. 2013 , 67, 199-206	40
102	A2B adenosine receptor blockade inhibits growth of prostate cancer cells. 2013 , 9, 271-80	76
101	Molecular pharmacology of ABCG2 and its role in chemoresistance. 2013 , 84, 655-69	152
100	Sildenafil ameliorates biomarkers of genotoxicity in an experimental model of spontaneous atherosclerosis. 2013 , 12, 128	22
99	Phosphodiesterase-5 inhibitor tadalafil attenuates oxidative stress and protects against myocardial ischemia/reperfusion injury in type 2 diabetic mice. 2013 , 60, 80-8	62
98	Sildenafil is not a useful modulator of ABCB1 and ABCG2 mediated drug resistance in vivo. 2013 , 49, 2059-64	14
97	Cardiac expression of human type 2 iodothyronine deiodinase increases glucose metabolism and protects against doxorubicin-induced cardiac dysfunction in male mice. 2013 , 154, 3937-46	17
96	Increasing cGMP-dependent protein kinase I activity attenuates cisplatin-induced kidney injury through protection of mitochondria function. 2013 , 305, F881-90	30
95	Repurposing phosphodiesterase-5 inhibitors as chemoadjuvants. 2013 , 4, 82	13
94	Doxorubicin combined with celecoxib inhibits tumor growth of medullary thyroid carcinoma in xenografted mice. 2014 , 7, 2053-2058	11
93	PDE5 inhibitors enhance the lethality of standard of care chemotherapy in pediatric CNS tumor cells. 2014 , 15, 758-67	41
92	Sildenafil use and increased risk of incident melanoma in US men: a prospective cohort study. 2014 , 174, 964-70	87
91	Pro-apoptotic activity of new analog of anthracyclines--WP 631 in advanced ovarian cancer cell line. 2014 , 28, 273-81	11
90	Co-delivery of Sildenafil (Viagra [®]) and Crizotinib for synergistic and improved anti-tumoral therapy. 2014 , 31, 2516-28	28
89	Phosphodiesterase 5 inhibitors enhance chemotherapy killing in gastrointestinal/genitourinary cancer cells. 2014 , 85, 408-19	56
88	Combinatorial delivery of Crizotinib-Palbociclib-Sildenafil using TPGS-PLA micelles for improved cancer treatment. 2014 , 88, 718-29	45

87	Regulation of OSU-03012 toxicity by ER stress proteins and ER stress-inducing drugs. 2014 , 13, 2384-98	37
86	The role of ABC transporters in ovarian cancer progression and chemoresistance. 2015 , 96, 220-56	104
85	Phosphodiesterase Type 5 as a Candidate Therapeutic Target in Cancers. 2015 , 3, 193-201	7
84	Nexavar/Stivarga and viagra interact to kill tumor cells. 2015 , 230, 2281-98	37
83	Gambogic acid sensitizes resistant breast cancer cells to doxorubicin through inhibiting P-glycoprotein and suppressing survivin expression. 2015 , 235, 76-84	57
82	Hybrid biomaterial based on porous silica nanoparticles and Pluronic F-127 for sustained release of sildenafil: in vivo study on prostate cancer. 2015 , 5, 81348-81355	4
81	PDE5 inhibitors enhance celecoxib killing in multiple tumor types. 2015 , 230, 1115-27	36
80	PDE5 inhibitors as therapeutics for heart disease, diabetes and cancer. 2015 , 147, 12-21	144
79	New Therapeutic Applications of Phosphodiesterase 5 Inhibitors (PDE5-Is). 2016 , 23, 1239-49	27
78	Sildenafil potentiates the antitumor activity of cisplatin by induction of apoptosis and inhibition of proliferation and angiogenesis. 2016 , 10, 3661-3672	24
77	A Novel Agent Enhances the Chemotherapeutic Efficacy of Doxorubicin in MCF-7 Breast Cancer Cells. 2016 , 7, 249	14
76	Sildenafil (Viagra) sensitizes prostate cancer cells to doxorubicin-mediated apoptosis through CD95. 2016 , 7, 4399-413	29
75	Phosphodiesterase 5 Inhibition Limits Doxorubicin-induced Heart Failure by Attenuating Protein Kinase G Oxidation. 2016 , 291, 17427-36	34
74	A small molecule nanodrug consisting of amphiphilic targeting ligand-chemotherapy drug conjugate for targeted cancer therapy. 2016 , 230, 34-44	99
73	The Role of PDE5 Inhibitors and the NO/cGMP Pathway in Cancer. 2016 , 4, 74-84	26
72	The Association between Phosphodiesterase Type 5 Inhibitors and Prostate Cancer: Results from the REDUCE Study. 2016 , 196, 715-20	9
71	Beet root juice protects against doxorubicin toxicity in cardiomyocytes while enhancing apoptosis in breast cancer cells. 2016 , 421, 89-101	19
70	Doxorubicin Conjugated to Immunomodulatory Anticancer Lactoferrin Displays Improved Cytotoxicity Overcoming Prostate Cancer Chemo resistance and Inhibits Tumour Development in TRAMP Mice. 2016 , 6, 32062	26

69	Non-Sexual Implications of Phosphodiesterase Type 5 Inhibitors. 2017 , 5, 170-199	11
68	Long-acting PDE5 inhibitor tadalafil prevents early doxorubicin-induced left ventricle diastolic dysfunction in juvenile mice: potential role of cytoskeletal proteins. 2017 , 95, 295-304	7
67	Potential synergistic effect of phosphodiesterase inhibitors with chemotherapy in lung cancer. 2017 , 8, 3648-3656	28
66	A Triphenylphosphonium-Functionalized Mitochondriotropic Nanocarrier for Efficient Co-Delivery of Doxorubicin and Chloroquine and Enhanced Antineoplastic Activity. 2017 , 10,	16
65	Phosphodiesterase type 5 and cancers: progress and challenges. 2017 , 8, 99179-99202	28
64	New NO- and H ₂ S-releasing doxorubicins as targeted therapy against chemoresistance in castration-resistant prostate cancer: in vitro and in vivo evaluations. 2018 , 36, 985-998	19
63	Phosphodiesterase-5 inhibition reduces postoperative metastatic disease by targeting surgery-induced myeloid derived suppressor cell-dependent inhibition of Natural Killer cell cytotoxicity. 2018 , 7, e1431082	48
62	Sildenafil citrate improves the delivery and anticancer activity of doxorubicin formulations in a mouse model of breast cancer. 2018 , 26, 610-615	29
61	The anti-inflammatory and anti-fibrotic effects of tadalafil in thioacetamide-induced liver fibrosis in rats. 2018 , 96, 1308-1317	20
60	Repurposing drugs in oncology (ReDO)-selective PDE5 inhibitors as anti-cancer agents. 2018 , 12, 824	24
59	Association between phosphodiesterase type 5 inhibitors and prostate cancer: A systematic review. 2018 , 28, 560-566	3
58	Randomized study of doxorubicin-based chemotherapy regimens, with and without sildenafil, with analysis of intermediate cardiac markers. 2018 , 4,	9
57	Fabrication of novel combinatorial drug encapsulated micelles for enhanced tumor targeting in intestinal cancer in mouse model. 2019 , 234, 15450	
56	Crosstalk Between Prostate Cancer Stem Cells and Immune Cells: Implications for Tumor Progression and Resistance to Immunotherapy. 2019 , 173-221	1
55	Cancer Stem Cell Resistance to Targeted Therapy. 2019 ,	1
54	LncRNA LOXL1-AS1/miR-let-7a-5p/EGFR-related pathway regulates the doxorubicin resistance of prostate cancer DU-145 cells. 2019 , 71, 1537-1551	31
53	Arginyl-glycyl-aspartic acid (RGD) containing nanostructured lipid carrier co-loaded with doxorubicin and sildenafil citrate enhanced anti-cancer effects and overcomes drug resistance. 2019 , 84, 172-179	12
52	PDE5 Inhibition Stimulates Tie2-Expressing Monocytes and Angiopoietin-1 Restoring Angiogenic Homeostasis in Diabetes. 2019 , 104, 2623-2636	8

51	Remote Ischemic Pre-Conditioning Attenuates Adverse Cardiac Remodeling and Mortality Following Doxorubicin Administration in Mice. 2019 , 1, 221-234	6
50	Phosphodiesterase Type 5 (PDE5) Inhibitors Sensitize Topoisomerase II Inhibitors in Killing Prostate Cancer Through PDE5-Independent Impairment of HR and NHEJ DNA Repair Systems. 2018 , 8, 681	11
49	Q817G mutation in phosphodiesterase type 5: Conformational analysis and dissociation profile of the inhibitor Tadalafil. 2019 , 93, 419-429	6
48	A novel agent attenuates cardiotoxicity and improves antitumor activity of doxorubicin in breast cancer cells. 2019 , 120, 5913-5922	9
47	Levosimendan prevents doxorubicin-induced cardiotoxicity in time- and dose-dependent manner: implications for inotropy. 2020 , 116, 576-591	21
46	Sildenafil Potentiates the Therapeutic Efficacy of Docetaxel in Advanced Prostate Cancer by Stimulating NO-cGMP Signaling. 2020 , 26, 5720-5734	15
45	Cardiovascular risks and toxicity - The Achilles heel of androgen deprivation therapy in prostate cancer patients. 2020 , 1874, 188383	9
44	Osteocrin attenuates inflammation, oxidative stress, apoptosis, and cardiac dysfunction in doxorubicin-induced cardiotoxicity. 2020 , 10, e124	59
43	A dual PI3 kinase/mTOR inhibitor BEZ235 reverses doxorubicin resistance in ABCB1 overexpressing ovarian and pancreatic cancer cell lines. 2020 , 1864, 129556	2
42	Enhanced nanoparticle accumulation by tumor-acidity-activatable release of sildenafil to induce vasodilation. 2020 , 8, 3052-3062	10
41	Sildenafil beyond erectile dysfunction and pulmonary arterial hypertension: Thinking about new indications. 2021 , 35, 235-259	7
40	Repurposing of Phosphodiesterase-5 Inhibitors as Therapeutic Agents Against Human Gastric Cancer.	
39	New Approaches in Oncology for Repositioning Drugs: The Case of PDE5 Inhibitor Sildenafil. 2021 , 11, 627229	7
38	Repurposing of sildenafil as antitumour; induction of cyclic guanosine monophosphate/protein kinase G pathway, caspase-dependent apoptosis and pivotal reduction of Nuclear factor kappa light chain enhancer of activated B cells in lung cancer. 2021 , 73, 1080-1091	1
37	Sildenafil 4.0-Integrated Synthetic Chemistry, Formulation and Analytical Strategies Effecting Immense Therapeutic and Societal Impact in the Fourth Industrial Era. 2021 , 14,	5
36	Sildenafil in Combination Therapy against Cancer: A Literature Review. 2021 , 28, 2248-2259	3
35	The sGC-cGMP Signaling Pathway as a Potential Therapeutic Target in Doxorubicin-Induced Heart Failure: A Narrative Review. 2021 , 1	2
34	The Potential Role of Sildenafil in Cancer Management through EPR Augmentation. 2021 , 11,	5

33	Doxorubicin-induced cardiotoxicity: An update on the molecular mechanism and novel therapeutic strategies for effective management. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 139, 111708	7.5	45
32	The development of multi-kinase inhibitors as pancreatic cancer therapeutics. 2021 , 32, 779-785		1
31	Role of phosphodiesterase 1 in the pathophysiology of diseases and potential therapeutic opportunities. 2021 , 226, 107858		2
30	Tadalafil enhances the therapeutic efficacy of BET inhibitors in hepatocellular carcinoma through activating Hippo pathway. 2021 , 1867, 166267		2
29	Withaferin A synergizes the therapeutic effect of doxorubicin through ROS-mediated autophagy in ovarian cancer. 2012 , 7, e42265		78
28	Attenuation of doxorubicin-induced cardiotoxicity by mdivi-1: a mitochondrial division/mitophagy inhibitor. 2013 , 8, e77713		73
27	PDE5 inhibitors enhance the lethality of pemetrexed through inhibition of multiple chaperone proteins and via the actions of cyclic GMP and nitric oxide. 2017 , 8, 1449-1468		37
26	PDE5 inhibitors enhance the lethality of [pemetrexed + sorafenib]. 2017 , 8, 13464-13475		9
25	New drugs are not enough-drug repositioning in oncology: An update. 2020 , 56, 651-684		22
24	Sildenafil Enhances the Anticancer Activity of Paclitaxel in an ABCB1-Mediated Multidrug Resistance Xenograft Mouse Model. <i>Journal of Cancer Research Updates</i> , 2014 , 3, 169-173	1	1
23	The Possible Chemosensitizing Effect of Different Doses of Indol-3-Carbinol on Transplantable Tumor Model Treated with Doxorubicin. 4, 61-72		
22	Sildenafil Induces Cell Cycle Arrest and Apoptosis in Human Colorectal Cancer HT-29 Cells. <i>Journal of Cancer Research Updates</i> , 2018 , 7, 59-63	1	0
21	Non-classical effects of sildenafil in clinical medicine: an interdisciplinary approach. <i>Meditsinskiy Sovet</i> , 2019 , 192-202	0.4	
20	Activation of the cGMP/protein kinase G system in breast cancer by the dopamine receptor-1.. <i>Cancer Drug Resistance (Alhambra, Calif)</i> , 2019 , 2, 933-947	4.5	0
19	Pyrophen Isolated from the Endophytic Fungus Strain KARSV04 Synergizes the Effect of Doxorubicin in Killing MCF7 but not T47D Cells. <i>Turkish Journal of Pharmaceutical Sciences</i> , 2020 , 17, 280-284	1.1	
18	First molecular modelling report on tri-substituted pyrazolines as phosphodiesterase 5 (PDE5) inhibitors through classical and machine learning based multi-QSAR analysis. <i>SAR and QSAR in Environmental Research</i> , 2021 , 32, 917-939	3.5	1
17	Cardiac systolic dysfunction in doxorubicin-challenged rats is associated with upregulation of MuRF2 and MuRF3 E3 ligases. <i>Experimental and Clinical Cardiology</i> , 2012 , 17, 101-9		5
16	Sildenafil inhibits the growth of human colorectal cancer in vitro and in vivo. <i>American Journal of Cancer Research</i> , 2015 , 5, 3311-24	4.4	33

15	Caffeic acid phenethyl ester protects against doxorubicin-induced cardiotoxicity and increases chemotherapeutic efficacy by regulating the unfolded protein response.. <i>Food and Chemical Toxicology</i> , 2021 , 159, 112770	4.7	0
14	How do phosphodiesterase-5 inhibitors affect cancer? A focus on glioblastoma multiforme.. <i>Pharmacological Reports</i> , 2022 , 1	3.9	0
13	Peristrophe bicalyculata (Retz) Nees contains principles that are cytotoxic to cancer cells and induce caspase-mediated, intrinsic apoptotic death through oxidative stress, mitochondrial depolarisation and DNA damage.. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 147, 112597	7.5	1
12	Cardiomyocyte Atrophy, an Underestimated Contributor in Doxorubicin-Induced Cardiotoxicity.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 812578	5.4	2
11	Pros and Cons of Pharmacological Manipulation of cGMP-PDEs in the Prevention and Treatment of Breast Cancer.. <i>International Journal of Molecular Sciences</i> , 2021 , 23,	6.3	1
10	Sildenafil aggravates adriamycin-induced testicular toxicity in rats; a preliminary investigation.. <i>Drug and Chemical Toxicology</i> , 2021 , 1-7	2.3	
9	Presentation_1.PPTX. 2019 ,		
8	Phosphodiesterase 5 inhibitor sildenafil potentiates the antitumor activity of cisplatin by ROS-mediated apoptosis: a role of deregulated glucose metabolism. <i>Apoptosis: an International Journal on Programmed Cell Death</i> ,	5.4	1
7	Combination therapy of doxorubicin and Sildenafil inhibits the growth of pediatric rhabdomyosarcoma. <i>Journal of Cancer Research and Clinical Oncology</i> ,	4.9	1
6	Design, synthesis and chemoinformatic studies of new thiazolopyrimidine derivatives as potent anticancer agents via phosphodiesterase-5 inhibition and apoptotic inducing activity. 2023 , 1272, 134216		2
5	Beyond Erectile Dysfunction: cGMP-Specific Phosphodiesterase 5 Inhibitors for Other Clinical Disorders. 2023 , 63,		1
4	In Vitro Drug Repurposing: Focus on Vasodilators. 2023 , 12, 671		0
3	Nitric Oxide-cGMP-PKG Signaling in the Cardioprotective Effects of Phosphodiesterase 5 Inhibitors. 2023 , 111-126		0
2	Androgen-deprivation therapy with leuprolide increases abdominal adiposity without causing cardiac dysfunction in middle-aged male mice: effect of sildenafil. 2023 , 324, R589-R600		1
1	Immunomodulatory, apoptotic and anti-proliferative potentials of sildenafil in Ehrlich ascites carcinoma murine model: In vivo and in silico insights. 2023 , 119, 110135		0