

# In search of novel highly active mitochondria-targeted cationic derivatives

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Evolution of cytochrome bc complexes: From membrane-anchored dehydrogenases of ancient bacteria to triggers of apoptosis in vertebrates. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 1407-1427.	0.5	73
2	Cationic antioxidants as a powerful tool against mitochondrial oxidative stress. <i>Biochemical and Biophysical Research Communications</i> , 2013, 441, 275-279.	1.0	64
3	SkBQ " Prooxidant addressed to mitochondria. <i>Biochemistry (Moscow)</i> , 2013, 78, 1366-1370.	0.7	5
4	Receptor regulation of senile phenoptosis. <i>Biochemistry (Moscow)</i> , 2014, 79, 994-1003.	0.7	5
5	Aqueous Solubility and Degradation Kinetics of the Phytochemical Anticancer Thymoquinone; Probing the Effects of Solvents, pH and Light. <i>Molecules</i> , 2014, 19, 5925-5939.	1.7	119
6	Prevention of peroxidation of cardiolipin liposomes by quinol-based antioxidants. <i>Biochemistry (Moscow)</i> , 2014, 79, 1081-1100.	0.7	12
7	Dodecyltriphenylphosphonium inhibits multiple drug resistance in the yeast <i>Saccharomyces cerevisiae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 1481-1484.	1.0	10
8	Advances in Development of Rechargeable Mitochondrial Antioxidants. <i>Progress in Molecular Biology and Translational Science</i> , 2014, 127, 251-265.	0.9	21
9	Neuroprotective Effects of Mitochondria-Targeted Plastoquinone and Thymoquinone in a Rat Model of Brain Ischemia/Reperfusion Injury. <i>Molecules</i> , 2015, 20, 14487-14503.	1.7	46
10	Mechanisms of Thymoquinone Hepatorenal Protection in Methotrexate-Induced Toxicity in Rats. <i>Mediators of Inflammation</i> , 2015, 2015, 1-12.	1.4	100
11	Interleukin-1 Family Cytokines in Liver Diseases. <i>Mediators of Inflammation</i> , 2015, 2015, 1-19.	1.4	44
12	Mitochondria-targeted plastoquinone antioxidant SkQR1 has positive effect on memory of rats. <i>Biochemistry (Moscow)</i> , 2015, 80, 592-595.	0.7	7
13	Mitochondria: a new therapeutic target in chronic kidney disease. <i>Nutrition and Metabolism</i> , 2015, 12, 49.	1.3	96
14	Molecular Strategies for Targeting Antioxidants to Mitochondria: Therapeutic Implications. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 686-729.	2.5	207
15	Mitochondria-targeted antioxidant SkQT1 decreases trauma-induced neurological deficit in rat and prevents amyloid- $\beta$ -induced impairment of long-term potentiation in rat hippocampal slices. <i>Journal of Drug Targeting</i> , 2015, 23, 347-352.	2.1	43
16	Effect of cationic plastoquinone SkQ1 on electron transfer reactions in chloroplasts and mitochondria from pea seedlings. <i>Biochemistry (Moscow)</i> , 2015, 80, 417-423.	0.7	4
17	Computational modeling and biological validation of novel non-steroidal ligands for the cholesterol recognition/interaction amino acid consensus (CRAC) motif of the mitochondrial translocator protein (TSPO). <i>Pharmacological Research</i> , 2015, 99, 393-403.	3.1	18
18	Radioprotective Effects of Mitochondria-Targeted Antioxidant SkQR1. <i>Radiation Research</i> , 2015, 183, 64-71.	0.7	21

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19	Phytochemicals, diet and ckd-associated mitochondrial dysfunction. <i>Giornale De Techniche Nefrologiche &amp; Dialitiche</i> , 2016, 28, 83-90.	0.1	0
20	Neuroprotective properties of mitochondria-targeted antioxidants of the SkQ-type. <i>Reviews in the Neurosciences</i> , 2016, 27, 849-855.	1.4	30
21	Metabolic effects of a mitochondrial-targeted coenzyme Q analog in high fat fed obese mice. <i>Pharmacology Research and Perspectives</i> , 2017, 5, e00301.	1.1	22
22	Thymoquinone attenuates brain injury via an antioxidative pathway in a status epilepticus rat model. <i>Translational Neuroscience</i> , 2017, 8, 9-14.	0.7	46
23	Thymoquinone-rich fraction nanoemulsion (TQRFNE) decreases A $\beta$ <sup>240</sup> and A $\beta$ <sup>242</sup> levels by modulating APP processing, up-regulating IDE and LRP1, and down-regulating BACE1 and RAGE in response to high fat/cholesterol diet-induced rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 780-788.	2.5	36
24	A synthetic cell permeable antioxidant protects neurons against acute oxidative stress. <i>Scientific Reports</i> , 2017, 7, 11857.	1.6	20
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26	Mitochondrial cytopathies: Their causes and correction pathways. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2017, 11, 87-102.	0.3	1
27	Mitochondria-targeted nutraceuticals in sports medicine: a new perspective. <i>Research in Sports Medicine</i> , 2017, 25, 91-100.	0.7	7
28	Studies on Mitochondria Directed Plastoquinones. , 2018, , 523-533.		1
30	Solvent based optimization for extraction and stability of thymoquinone from <i>Nigella sativa</i> Linn. and its quantification using RP-HPLC. <i>Physiology and Molecular Biology of Plants</i> , 2018, 24, 1209-1219.	1.4	23
31	New Data on Effects of SkQ1 and SkQT1 on Rat Liver Mitochondria and Yeast Cells. <i>Biochemistry (Moscow)</i> , 2018, 83, 552-561.	0.7	7
32	Mitochondria-targeted antioxidant SkQ1 suppresses fibrosarcoma and rhabdomyosarcoma tumour cell growth. <i>Cell Cycle</i> , 2018, 17, 1797-1811.	1.3	24
33	SkQThy, a novel and promising mitochondria-targeted antioxidant. <i>Mitochondrion</i> , 2019, 49, 206-216.	1.6	14
34	Synthesis of 2-methyl-5-methoxy-1,4-benzoquinone and In-silico Activity Profiling Toward Cytochrome P450-3A4. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 546, 062005.	0.3	4
35	Natural Bioactive Compounds As Protectors Of Mitochondrial Dysfunction In Cardiovascular Diseases And Aging. <i>Molecules</i> , 2019, 24, 4259.	1.7	30
36	Toward Glycogen Phosphorylase Enzyme: In silico Approach. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 546, 062008.	0.3	4
37	Mitochondria-targeted quinones suppress the generation of reactive oxygen species, programmed cell death and senescence in plants. <i>Mitochondrion</i> , 2019, 46, 164-171.	1.6	13

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38	Mitochondrial bioenergetics and pulmonary dysfunction: Current progress and future directions. Paediatric Respiratory Reviews, 2020, 34, 37-45.	1.2	22
39	Nigella sativa L. and thymoquinone as neuroprotective antioxidants. , 2020, , 325-341.		2
40	Thymoquinone as a Potential Neuroprotector in Acute and Chronic Forms of Cerebral Pathology. Biochemistry (Moscow), 2020, 85, 167-176.	0.7	16
41	Mitochondria-targeted 1,4-naphthoquinone (SkQN) is a powerful prooxidant and cytotoxic agent. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148210.	0.5	14
42	Diabetesâ€“Alzheimer's Disease Link: Targeting Mitochondrial Dysfunction and Redox Imbalance. Antioxidants and Redox Signaling, 2021, 34, 631-649.	2.5	24
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44	Oxidative Stress, Neuroinflammation, and NADPH Oxidase: Implications in the Pathogenesis and Treatment of Alzheimerâ€™s Disease. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-19.	1.9	52
45	The effect of maternal treatment with diclofenac sodium and thymoquinone on testicular parameters in rat offspring. Revista Internacional De AndrologÃa, 2021, 19, 34-40.	0.1	3
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48	Mitochondria-targeted Antioxidants as a Prospective Therapeutic Strategy for Multiple Sclerosis. Current Medicinal Chemistry, 2017, 24, 2086-2114.	1.2	37
49	Pharmacological Applications of Antioxidants: Lights and Shadows. Current Drug Targets, 2014, 15, 1177-1199.	1.0	92
50	Thymoquinone Anticancer Discovery: Possible Mechanisms. Current Drug Discovery Technologies, 2015, 12, 80-89.	0.6	40
51	Picturing Molecular Environmental Health From Mitochondria. Health Care Current Reviews, 2013, 1, .	0.1	0
53	Antioxidants effects in health: The bright and the dark sides. , 2022, , 819-836.		1
54	Antioxidant Thymoquinone and Its Potential in the Treatment of Neurological Diseases. Antioxidants, 2023, 12, 433.	2.2	7
56	Therapeutic potential of thymoquinone and its nanoformulations in neuropsychological disorders: a comprehensive review on molecular mechanisms in preclinical studies. Naunyn-Schmiedeberg's Archives of Pharmacology, 0, , .	1.4	0