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Chronic inhibition of phosphodiesterase 5 with tadalafil attenuates mitochondrial dysfunction in type 2 diabetic hearts: potential role of NO/SIRT1/PGC-1 α signaling

DOI: 10.1152/ajpheart.00865.2013

American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1558-68.

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Version: 2024-04-26

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#	Paper	IF	Citations
73	Reduced silent information regulator 1 signaling exacerbates myocardial ischemia-reperfusion injury in type 2 diabetic rats and the protective effect of melatonin. <i>Journal of Pineal Research</i> , 2015 , 59, 376-90	10.4	89
72	Interaction between leucine and phosphodiesterase 5 inhibition in modulating insulin sensitivity and lipid metabolism. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2015 , 8, 227-39	3.4	16
71	Nitric oxide and mitochondria in metabolic syndrome. <i>Frontiers in Physiology</i> , 2015 , 6, 20	4.6	63
70	Sirtuins, aging, and cardiovascular risks. <i>Age</i> , 2015 , 37, 9804		21
69	Erectile dysfunction and its management in patients with diabetes mellitus. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2015 , 16, 213	10.5	19
68	PDE5 inhibitors as therapeutics for heart disease, diabetes and cancer. <i>Pharmacology & Therapeutics</i> , 2015 , 147, 12-21	13.9	144
67	A Combination of Leucine, Metformin, and Sildenafil Treats Nonalcoholic Fatty Liver Disease and Steatohepatitis in Mice. <i>International Journal of Hepatology</i> , 2016 , 2016, 9185987	2.7	17
66	PDE5 Inhibition Ameliorates Visceral Adiposity Targeting the miR-22/SIRT1 Pathway: Evidence From the CECSID Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 1525-34	5.6	30
65	Development of Therapeutics That Induce Mitochondrial Biogenesis for the Treatment of Acute and Chronic Degenerative Diseases. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 10411-10434	8.3	29
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63	Tadalafil reduces visceral adipose tissue accumulation by promoting preadipocytes differentiation towards a metabolically healthy phenotype: Studies in rabbits. <i>Molecular and Cellular Endocrinology</i> , 2016 , 424, 50-70	4.4	19
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57	Prevention of the development of heart failure with preserved ejection fraction by the phosphodiesterase-5A inhibitor vardenafil in rats with type 2 diabetes. <i>European Journal of Heart Failure</i> , 2017 , 19, 326-336	12.3	52

56	Mitochondrial networking in diabetic left ventricle cardiomyocytes. <i>Mitochondrion</i> , 2017 , 34, 24-31	4.9	5
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54	Tadalafil, a long acting phosphodiesterase inhibitor, promotes bone marrow stem cell survival and their homing into ischemic myocardium for cardiac repair. <i>Physiological Reports</i> , 2017 , 5, e13480	2.6	19
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52	Targeting phosphodiesterase 5 as a therapeutic option against myocardial ischaemia/reperfusion injury and for treating heart failure. <i>British Journal of Pharmacology</i> , 2018 , 175, 223-231	8.6	21
51	Sildenafil induces browning of subcutaneous white adipose tissue in overweight adults. <i>Metabolism: Clinical and Experimental</i> , 2018 , 78, 106-117	12.7	29
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49	Mitochondrial Bioenergetics in the Heart. 2018 , 365-380		
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26	SIRT1: a promising therapeutic target in type 2 diabetes mellitus. <i>Archives of Physiology and Biochemistry</i> , 2021 , 1-16	2.2 1
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- 2 Shengxian decoction protects against chronic heart failure in a rat model via energy regulation mechanisms. ○
- 1 Nitric Oxide-cGMP-PKG Signaling in the Cardioprotective Effects of Phosphodiesterase 5 Inhibitors. **2023**, 111-126 ○