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Molecular Hydrogen Alleviates Cellular Senescence in Endothelial Cells.

PMID: 27477846

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1 Molecular Hydrogen Alleviates Cellular Senescence in Endothelial Cells.

Hara F, Tatebe J, Watanabe I, Yamazaki J, Ikeda T, Morita T.

Circ J. 2016 Aug 25;80(9):2037-46. doi: 10.1253/circj.CJ-16-0227. Epub 2016 Jul 29.

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2 Disturbance of Fatty Acid Metabolism Promoted Vascular Endothelial Cell Senescence via Acetyl-CoA-Induced Protein Acetylation Modification.

Lin T, Yang WQ, Luo WW, Zhang LL, Mai YQ, Li ZQ, Liu ST, Jiang LJ, Liu PQ, Li ZM.

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3 Hydrogen alleviates cellular senescence via regulation of ROS/p53/p21 pathway in bone marrow-derived mesenchymal stem cells in vivo.

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Xiang X, Xie L, Lin J, Pare R, Huang G, Huang J, Wang Y, Song S, Ruan Y.

Biogerontology. 2023 Jan 23. doi: 10.1007/s10522-023-10015-4. Online ahead of print.

- 9 [Tetrahydroxy stilbene glycoside attenuates **endothelial** cell premature **senescence** induced by H₂O₂ through the microRNA-34a/SIRT1 pathway.](#)
Zhang L, Guo Y, Shi S, Zhuge Y, Chen N, Ding Z, Jin B.
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- 10 [Heme oxygenase-1 ameliorates oxidative stress-induced **endothelial senescence** via regulating **endothelial** nitric oxide synthase activation and coupling.](#)
Luo W, Wang Y, Yang H, Dai C, Hong H, Li J, Liu Z, Guo Z, Chen X, He P, Li Z, Li F, Jiang J, Liu P, Li Z.
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