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Molecular hydrogen suppresses activated Wnt/ β -catenin signaling.

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1 **Molecular hydrogen suppresses activated Wnt/ β -catenin signaling.**

Lin Y, Ohkawara B, Ito M, Misawa N, Miyamoto K, Takegami Y, Masuda A, Toyokuni S, Ohno K.

Sci Rep. 2016 Aug 25;6:31986. doi: 10.1038/srep31986.

PMID: 27558955 [Free PMC article](#).

2 **Activation of Wnt/ β -catenin signaling by hydrogen peroxide transcriptionally inhibits NaV1.5 expression.**

Wang N, Huo R, Cai B, Lu Y, Ye B, Li X, Li F, Xu H.

Free Radic Biol Med. 2016 Jul;96:34-44. doi: 10.1016/j.freeradbiomed.2016.04.003. Epub 2016 Apr 9.

PMID: 27068063 [Free PMC article](#).

3 **Targeting Wnt/ β -catenin signaling pathway in triple-negative breast cancer by benzylic organotrissulfides: Contribution of the released hydrogen sulfide towards potent anti-cancer activity.**

Bhattacharjee D, Raina K, Mandal TK, Thummer RP, Bhak KP.

Free Radic Biol Med. 2022 Oct;191:82-96. doi: 10.1016/j.freeradbiomed.2022.08.029. Epub 2022 Aug 28.

PMID: 36038037

4 **Ape1 regulates WNT/ β -catenin signaling through its redox functional domain in pancreatic cancer cells.**

Jiang S, Zhu L, Tang H, Zhang M, Chen Z, Fei J, Han B, Zou GM.

Int J Oncol. 2015 Aug;47(2):610-20. doi: 10.3892/ijo.2015.3048. Epub 2015 Jun 12.

PMID: 26081414

5 **Cytoprotective Effect of Taurine against Hydrogen Peroxide-Induced Oxidative Stress in UMR-106 Cells through the Wnt/ β -Catenin Signaling Pathway.**

Lou J, Han D, Yu H, Yu G, Jin M, Kim SJ.

Biomol Ther (Seoul). 2018 Nov 1;26(6):584-590. doi: 10.4062/biomolther.2018.049.

PMID: 30060293 [Free PMC article](#).

6 **Hydrogen Sulfide Attenuates High Glucose-induced Myocardial Injury in Rat Cardiomyocytes by Suppressing Wnt/beta-catenin Pathway.**

Zhang M, Ye M.

Curr Med Sci. 2019 Dec;39(6):938-946. doi: 10.1007/s11596-019-2120-5. Epub 2019 Dec 16.

PMID: 31845225

7 **Activation of canonical Wnt/ β -catenin signaling inhibits H₂O₂-induced decreases in proliferation and differentiation of human periodontal ligament fibroblasts.**

Kook SH, Lee D, Cho ES, Heo JS, Poudel SB, Ahn YH, Hwang JW, Ji H, Kim JG, Lee JC.

Mol Cell Biochem. 2016 Jan;411(1-2):83-94. doi: 10.1007/s11010-015-2570-4. Epub 2015 Sep 14.

PMID: 26369531

8 **Baicalin alleviates H₂O₂-induced injury of H9c2 cardiomyocytes through suppression of the Wnt/ β -catenin signaling pathway.**

Qiu L, Chen J, Lin J, Wo D, Chu J, Peng J.

Mol Med Rep. 2017 Dec;16(6):9251-9255. doi: 10.3892/mmr.2017.7748. Epub 2017 Oct 10.

PMID: 29039516

9 **MiR-25 protects PC-12 cells from H₂O₂ mediated oxidative damage via WNT/ β -catenin pathway.**

Guo Y, Niu S.

J Spinal Cord Med. 2018 Jul;41(4):416-425. doi: 10.1080/10790268.2017.1336319. Epub 2017 Jun 12.

PMID: 28605990 [Free PMC article](#).

10 [Coenzyme Q10 attenuates renal fibrosis by inhibiting RIP1-RIP3-MLKL-mediated necroinflammation via Wnt3α/β-catenin/GSK-3β signaling in unilateral ureteral obstruction.](#)

Jiang YJ, Jin J, Nan QY, Ding J, Cui S, Xuan MY, Piao MH, Piao SG, Zheng HL, Jin JZ, Chung BH, Yang CW, Li C.

Int Immunopharmacol. 2022 Jul;108:108868. doi: 10.1016/j.intimp.2022.108868. Epub 2022 May 26.

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