

Publications
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1. Lencesova L, Szadvari I, Babula P, Kubickova J, Chovancova B, Lopusna K, Rezuchova I, Novakova Z, Krizanova O, Novakova M. Disruption of dopamine D1/D2 receptor complex is involved in the function of haloperidol in cardiac H9c2 cells. **Life Sci.** 2017; 191:186-194. doi: 10.1016/j.lfs.2017.10.026. Impact factor (2016): 2,936
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3. Breza J Jr, Soltysova A, Hudecova S, Penesova A, Szadvari I, Babula P, Chovancova B, Lencesova L, Pos O, Breza J, Ondrias K, Krizanova O. Endogenous H₂S producing enzymes are involved in apoptosis induction in clear cell renal cell carcinoma. **BMC Cancer.** 2018; 18(1):591. doi: 10.1186/s12885-018-4508-1. Impact factor (2017): 3,288
4. Rezuchova I, Hudecova S, Soltysova A, Matuskova M, Durinikova E, Chovancova B, Zuzcak M, Cihova M, Burikova M, Penesova A, Lencesova L, Breza J, Krizanova O. Type 3 inositol 1,4,5-trisphosphate receptor has antiapoptotic and proliferative role in cancer cells. **Cell Death Dis.** 2019; 10(3):186. doi: 10.1038/s41419-019-1433-4. Impact factor (2018): 5,959
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6. Chovancova B, Liskova V, Miklikova S, Hudecova S, Babula P, Penesova A, Sevcikova A, Durinikova E, Novakova M, Matuskova M, Krizanova O. Calcium signaling affects migration and proliferation differently in individual cancer cells due to nifedipine treatment. **Biochem Pharmacol.** 2020; 171:113695. doi: 10.1016/j.bcp.2019.113695. Impact factor (2019): 4,960
7. Chovancova B, Liskova V, Babula P, Krizanova O. Role of Sodium/Calcium Exchangers in Tumors. **Biomolecules.** 2020; 10(9):E1257. doi:10.3390/biom10091257. Impact factor (2019): 4,082
8. Kajsik M, Chovancova B, Liskova V, Babula P, Krizanova O. Slow sulfide donor GYY4137 potentiates effect of paclitaxel on colorectal carcinoma cells. **Eur J Pharmacol.** 2022 Mar 18;922:174875. doi: 10.1016/j.ejphar.2022.174875. Impact factor (2021): 4,432

9. Liskova V., Kajsik M., Chovancova B., Roller L., Krizanova O. Effect of selected chemotherapeutics on mitochondria in colorectal carcinoma cells. **FEBS Open Bio** 12, 913-924, 2022. in press Impact factor (2021): 2,693