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Some insight into the mode of cytotoxic action of organotin compounds with protective 2,6-di-*tert*-butylphenol fragments

E.R. Milaeva, D.B. Shpakovsky, Y.A. Gracheva, T.A. Antonenko, D.I. Osolodkin, V.A. Palyulin, P.N. Shevtsov, M.E. Neganova, D.V. Vinogradova, E.F. Shevtsova



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The feasible mechanisms of cytotoxicity of organotin compounds with 2,6-di-*tert*-butylphenol pendants were studied. Docking simulations of organotins revealed the possibility of tubulin binding. The influence of compounds on tubulin assembly in microtubules and mitochondrial lipid peroxidation were investigated. The role of antioxidant fragments and metal in cytotoxic activity is discussed.

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