New bioactives For Cure Non Small Cell Lung Carcinoma (NSCLC)

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Abstract

Based on research , NSCLC (non-small-cell lung carcinoma) is on of the most common cancer in the world and many people every year died from it and we don't have effective treatment for it, this study presented New bioactives for Treatment For NSCLC.Based on research, by DNA sequencing method we study genome of NSCLC cell and genome of normal lung cell and compered them and we found in NSCLC cell the gene of one RNA polymerase2 enzyme has been expressed that it's not expressed in normal lung cell and it has transcribe the genes of many enzymes that they paly essential roles in shifting normal lung cell to NSCLC cell, based on this results we try to inactivate this RNA polymerase2 enzyme.by study NSCLC cell metabolism we found this RNA polymerase2 enzyme need Asparagine amino acid to be activated and NSCLC cell can't produce this amino acid and they reabsorb this amino acid from their environment. with study Human Biochemical Pathway and Asparagine amino acid reabsorbing pathways from it we understand that four bio actives : phenethyl isothiocyanate and capsaicin and apigenin and menthyl acetate could dock with a lots of allosteric enzymes inside the reabsorbing pathway of Asparagine amino acid by NSCLC cells and inactivated them.Thus more than 90 % reabsorbing pathways of Asparagine amino acid will be closed and docking and inactivating has been checked by Autodock-vina and QSAR and PREX and Chimera and Marvin Space softwares.Combination and Consumption of apigenin and capsaicin and phenethyl iosthiocyanate and menthyl acetate simultaneously could extremely reduce danger of NSCLC by decreasing this RNA polymearse2 production in NSCLC cells.Basaed on results we formulate four bioactives: apigenin and capsaicin and phenethyl iosthiocyanate and menthyl acetate same as pulmonary powder and doing in vivo tests on rats and monkeys and we got a very good results on rats and monkeys next we start clinical trial phase and we found this markers (NSE, CYFRA21.1, SCC, CA125) is reducing in every month in one year and we don't see side effects yet.

Kew words: NSCLC, apigenin , capsaicin , capsaicin , menthyl acetate

Biography

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