

Method for increasing the sensitivity of non-small cell lung cancer cells to anoxic conditions involves inducing a cytotoxic/cytostatic effect of a combination of metformin and oxamate on tumor cells under conditions of in vitro adherent growth, as a model of the primary tumor. Wherein, a combination of metformin and oxamate is first applied under conditions of in vitro adherent growth of non-small cell lung cancer at concentrations of 3.0 and 5.0 mM, respectively, which are half the IC₅₀ concentration. Subsequently, when tumor cells are transferred to non-adhesive culture conditions, as a model of circulating cells, an increase in apoptosis and the number of dead cells is observed compared to the control.