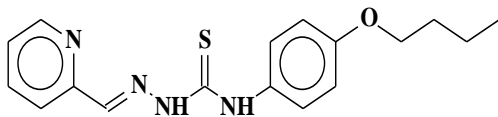


a 2016 0141

The invention relates to chemistry and medicine, namely to a biologically active organic compound of the thiosemicarbazide class and can be used in medicine as a cytotoxic drug in the prevention and treatment of breast cancer. Summary of the invention consists in the use of a novel compound N-(4-butoxyphenyl)-2-(pyridin-2-ylmethylidene)hydrazinecarbothio-amide of formula:



as T-47D breast cancer cells growth and reproduction inhibitor, which at a concentration of  $10^{-7}$  mol/l inhibits the growth and multiplication of 44.2% of T-47D breast cancer cells.

Claims: 2

Fig.: 1