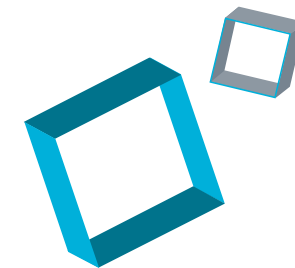


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Preparation of dipyridyl thiosemicarbazones as anticancer agents

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Described herein are dipyridyl thiosemicarbazone compounds of formula I (N-benzylmethylamino, N-benzylethylamino, octahydro-1H-indolyl) and salts, hydrates and solvates thereof, pharmaceutical compositions containing those compounds, and methods of treating cancer comprising administering those compounds and compositions. Example compound II•HCl was prepared by a thioacylation of N-benzylmethylamine followed by hydrazination to give N-benzyl-N-methylhydrazinecarbothioamide which underwent condensation with di-2-pyridylketone to give II which was converted to the corresponding HCl salt. The invention compounds were evaluated for their anticancer activity (some data given).

