
Synthesis and Cytotoxic Activity of Tetrazole-Containing 1,5,6,7-Tetrahydro-4*H*-indazol-4-ones

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Abstract—Tetrazole-containing 1,5,6,7-tetrahydro-4*H*-indazol-4-ones were synthesized by condensation of 2-(tetrazolylacetyl)cyclohexane-1,3-diones with phenyl- or 4-fluorophenylhydrazines in ethanol at room temperature. Structure of the synthesized compounds were confirmed by ¹H, ¹³C, ¹⁹F NMR spectroscopy methods. Cytotoxic activity of the series of obtained compounds was investigated *in vitro* against human laryngeal cancer cells Hep2.

Keywords: 1,5,6,7-tetrahydro-4*H*-indazol-4-ones, tetrazoles, 2-(tetrazolylacetyl)cyclohexane-1,3-diones, cytotoxic activity, Hep2

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