

Some methods for the compact condensed system 2-aminothiazolo[4,5-f]indazole synthesis

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Abstract. In this paper was synthesized an compact condensed heterocyclic system with thiazolic ring, 2-aminothiazolo[4,5-f] indazole. For this heterocyclic system were tested the alternatives: both the preparations what lead at the formation a 5-sulfocyan-6-aminoindazole by using the disproportions of $\text{Cu}(\text{SCN})_2$ as dirodan sources and methods realized by the obtaining as intermediary of N-(6-indazolile)thiourea. The high performance liquid chromatography was applied in this case for realizing the separation and purification of the heterocyclic system 2-aminothiazolo[4,5-f]indazole. The spectral analysis IR, UV-VIS, NMR spectroscopy and elemental analysis were used for the structure characterization of synthesized heterocyclic system.

Keywords: compact condensed heterocyclic system, 2-aminothiazolo[4,5-f]indazole, N-6-thiazolothiourea, HPLC method.
