

OPTIMIZED SYNTHESIS
AND SPECTRAL CHARACTERIZATION OF SOME
HYDRAZONES BASED ON 5-NITROINDAZOLE
WITH PHARMACOLOGICAL POTENTIAL

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S u m m a r y

A number of new hydrazones with biological activity are synthesized on the basis of 5-nitroindazole. The most efficient conditions of their synthesis with maximum reaction yield are established. The chemical structure of new compounds is found by the elemental analysis, FTIR spectroscopy, and ¹H-NMR method. The data of spectral analysis were verified by calculations with the HyperChem software. Toxicological tests indicate that the synthesized hydrazones have the antitumor effect.