NEW PHENOTHIAZINE DERIVATIVES PRECURSORS IN PYRAZOLEs AND PYRAZOLINES SYNTHESIS

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In the continuation of our investigations within the field of phenothiazine chalcones [1], we decided to study the possibility of converting chalcones into heterocyclic systems. Thus, taking into account that chalcones readily react with hydrazine and with its derivatives yielding pyrazolines and pyrazoles, [2] we extended this reaction to our new chalcones, obtained by the aldol condensation of formyl-phenothiazines with compounds containing active methyl groups. New phenothiazine derivatives, directly linked to pyrazoles and pyrazolines were obtained this way, and we expect interesting biological and/or physical properties to be detected by a thorough investigation of these compounds.

References: