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Synthesis of some new derivatives of indolyl quinazoline systems

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The experience indicates that most of ingredients of medicine are heterocycles. Among them heterocyclic compounds containing nitrogen-atom are very important. Many therapy medicines have

been made based on them, such as: indole, indometacine, rezerpine, indopane, pirazidole, meksamine and etc. [1].

Quinazoline derivatives are used in treatment of leukemia, malaria or bacterial infections [2]. 2, 4-Diaminoquinazoline derivatives [3] have also active properties like antimicrobial, antiviral and fungicidal. Pharmaceuticals like methotrexate, trimethoprim, piritrexim and iclaprim contain

2, 4-diaminoquinazoline moieties as well [2]. Our goal was to synthesize of new derivatives of indolylquinazoline system and study their pharmacological activities. Target compounds 7-9 were synthesized by condensation of 2-(p-aminophenyl)indoles 1-3 with sodium dicianamide and their 4-6 further intramolecular cyclization in PPA with 50-55% yield.

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