



SYNTHESIS OF SOME NEW HETEROCYCLIC COMPOUNDS CONTAINING INDOLE MOIETY

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Abstract:

3-Chloro-1H-indole-2-carbaldehyde (4) was synthesized and converted into Schiff base derivatives (5a-5c). Compounds 5a-5c were reacted with chloroacetyl chloride to give 2-azetidinone derivatives (6a-6c). Compound 4 reacts with active methylene group containing compounds, hydrazine and phenylhydrazine derivatives undergoing a condensation reaction. Compound 4 was reacted with ethyl chloroacetate derivatives to give N-alkylated indole Schiff bases which undergoing cyclization reaction using chloroacetyl chloride to afford azetidinone derivatives.

Keywords:

chloroacetic acid; anthranilic acid; Schiff bases; lactams.

Published In:

Eur.Chem.Bull. , 6(4) , 171-176