

SYNTHESIS AND IDENTIFICATION SOME OF 1, 3-OXAZEPINE DERIVATIVES CONTAINING AZO GROUP

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ABSTRACT

Series of oxazepine compounds were synthesized from Schiff base as azo and azomethine derivatives by using primary amine as a starting material with ethanol in the presence sulfuric acid to give ester. The last ester reacting with hydrazine hydrate to give hydrazone derivatives. The hydrazone derivative reacting with various benzaldehyde derivatives to give azomethin compound, then the schiff bases reacting with maleic, phthalic and succinic anhydride respectively. The chemical structures of synthesized compound were confirmed on the bases of their spectral data (FTIR and HNMR).

KEYWORDS: AZO Compounds, Schiff Bases, Resorcinol