



Synthesis and Characterization of Some 1,3-Oxazine -6-One , 1,3-Oxazine -6,6-Dione and N-Bromo Amines Derivatives

Malath K. Rasheed^{1*}, Walid Faraj AL-Hiti² and Sarah M. Rabei¹

1. Chemistry Department, Education College for women, Tikrit University, Tikrit, **IRAQ**
2. Chemistry Department, Education College for women, Al-Anbar University, Anbar, **IRAQ**

Email: organicchem_1978@yahoo.com

Accepted on 28th October 2015

ABSTRACT

This study includes synthesis and characterization of new derivatives of 1,3-Oxazine-6-one, 1,3-Oxazine-6,6-dione and N-Bromo amines, via Schiff's bases reactions through one step process in inert solvents. Some different Schiff bases [A3,A4, A7, A10] synthesized from reaction of different amines with aldehydes such as (Salicylaldehyde, Glutaraldehyde) in absolute ethanol or methanol under reflux. Heterocyclic rings of the 1,3-oxazine-6-one derivatives prepared by the reaction of 3-chloropropanoic acid with Schiff's bases[A3,A4, A7, A10] in dry benzene. The 1,3-oxazine-6,6-dione derivatives prepared by the reaction of two moles of 3-Chloropropanoic Acid with Schiff bases [A3,A4, A7, A10] by using dry benzene as solvent, Synthesis of some N-Bromo amine derivatives by the reaction of Schiff's bases with 2,4,4,6-TBCD (2,4,4,6-tetrabromocyclohexa-2,5-dienone) in dry benzene, The prepared compounds were characterized by melting point , FT-IR , UV-Vis and ¹H- NMR spectra.

Keywords: Schiff bases, 1,3-Oxazine -6-one, 1,3-Oxazine -6,6-dione N-bromo amines derivatives.
