

**SYNTHESIS AND CHARACTERIZATION OF SOME
3-(2-(6-OXO-1, 3-THIAZINAN-3-YL)-R)-1, 3-OXAZEPINE-4, 7-DIONE AND
N-BROMO AMINES 1, 3-OXAZEPINE-1, 4-DIONE DERIVATIVES**

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ABSTRACT

This study includes synthesis and characterization of new derivatives of 3-(2-(6-oxo-1, 3-thiazinan-3-yl)-R)-1, 3-oxazepine-4, 7-dione and N-Bromo Amines 1, 3-oxazepine-1, 4-dione Derivatives. via Schiff's bases reactions through one step process in inert solvents. Some different Schiff bases [1, 2, 3, 4] synthesized from reaction of different amines with aldehydes such as (Salicylaldehyde,) in absolute ethanol under reflux. Heterocyclic rings of the 1, 3-oxazepine-4, 7-dione prepared the reaction of succinic anhydride with schiffs bases [1, 2, 3, 4] and 3-(2-(6-oxo-1, 3-thiazinan-3-yl)-R)-1, 3-oxazepine-4, 7-dione derivatives prepared by the reaction of 3-Mercaptopropanoic acid with 1, 3-oxazepine-4, 7-dione[A1, A2, A3, A4] in 1, 4-Dioxan. Synthesis of some N-Bromo amine derivatives by the reaction of 1, 3-oxazepine-4, 7-dione[A1, A2, A3, A4] 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, 3-(2-(6-Oxo-1, 3-Thiazinan-3-Yl)-R), 1, 3-Oxazepine-4, 7- Dion, N- Bromo Amines 1, 3-Oxazepine-4, 7-Dione Derivatives