



***In Vitro* Antimicrobial Studies of Some Nitrogen Containing
Heterocycles with 6, 8-Dibromo Quinazolin-4(3H) Ones**

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ABSTRACT

*Some nitrogen containing 6, 8-dibromoquinazolin-4(3H) ones **6a-1** were synthesized by the base catalyzed cyclisation of acrylamide **5a-1** with hydrazine hydrate. The overall reaction was carried out by multistep process. The base catalyzed cyclisation of acid chloride **1** with 3:5-dibromo anthranilic acid yielded benzoxazinone **2**, which on reaction with hydrazine hydrate to afforded amino quinazolin-4(3H) one **3**. The structural confirmation of the synthesized compounds was carried out on the basis of elemental analysis as well as IR and NMR spectra results. The title compounds were evaluated for in vitro antibacterial and antifungal activity.*

Keywords: Antibacterial, Antifungal, Pyrazoline, Quinazolin-4(3H) one.
