



## Synthesis and Pharmacological Aspects of Some Novel Nitrogen Containing Heterocycles With 6-Iodo Quinazolin-4(3H) Ones

N.B. Patel<sup>1</sup> and G. G. Barat<sup>2</sup>

1. Dept. of chemistry, Veer Narmad South Gujarat Uni-Surat 395007, Gujarat, **INDIA**

2. Department of Chemistry, Arts, Science and Commerce College, Pilvai-382850, **INDIA**

Email: [gamanbarat@gmail.com](mailto:gamanbarat@gmail.com)

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### ABSTRACT

Several 6-iodo quinazolin-4(3H) ones **6a-l** were synthesized by the cyclization of acrylamide **5a-l** with hydrazine hydrate. The overall reaction was carried out by multistep process. The base catalyzed cyclization of acid chloride **1** with 5-iodo 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 antibacterial and antifungal activity in vitro.

**Keywords:** Acryl amide, Antimicrobial activity, Quinolin, Quinazolin-4(3H) one.

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