

SYNTHESIS AND CHARACTERIZATION OF NOVEL QUINAZOLINE DERIVATIVES VIA REACTION OF ISATOIC ANHYDRIDE WITH SCHIFF'S BASE

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ABSTRACT

Novel 2, 3-dihydroquinazolin-4-one derivatives were synthesized by the reaction of isatoic anhydride with Schiff's bases in anhydrous dioxan with high yields. Schiff's bases were synthesized by the reaction of heteroaromatic aldehydes or ketones with primary heterocyclic amines. The resulting products were identified by their melting point and their molecular structures were confirmed by FT-IR, UV-Vis. and ¹HNMR spectroscopy and C.H.N. elemental analyses.

KEYWORDS: Quinazoline, Isatoic Anhydride, Schiff Bases, Synthesis