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شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



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CHEMICAL AND SPECTROSCOPIC STUDIES ON SOME AMINO OR HYDRAZINO AZINE DERIVATIVES

A THESIS

Submitted by

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*(B. Sc. Chemistry, Tanta University, 1996)
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A. R. Genady

To my parents,

my husband

and my son Omar

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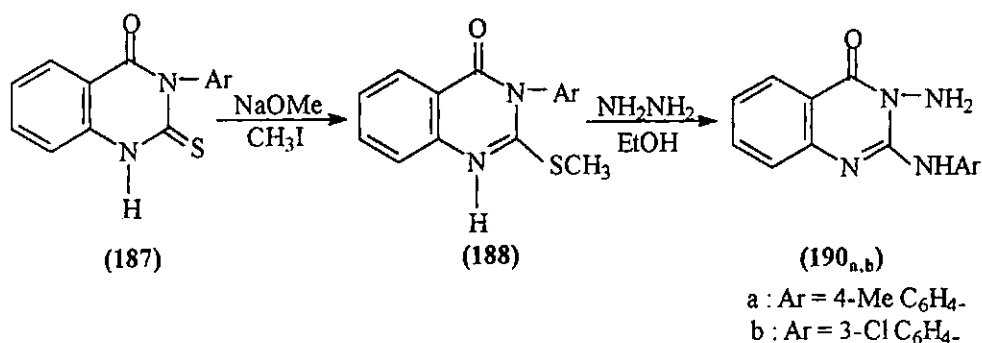
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SUMMARY
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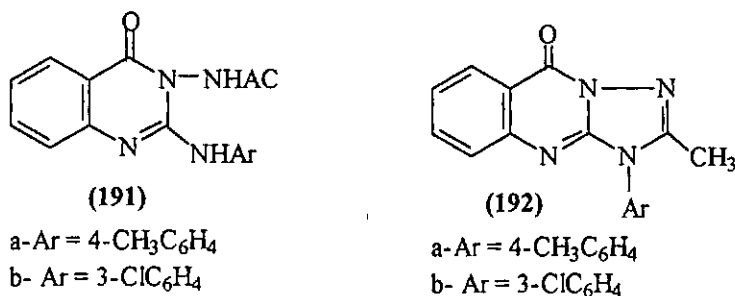
SUMMARY

The work described in this thesis outlines the design and synthesis of a series of quinazoline and/or quinazoline-4(3*H*)-one containing triazole, pyrazole or triazine ring as well as carbohydrate moieties. The reactivity of some quinazolin-4(3*H*)-ones containing triazine ring towards some monosaccharides were also considered.

3-Amino-2-arylaminoquinazolin-4(3*H*)-ones (**190_{a,b}**) were prepared according to the following scheme.



Acetylation of **190_{a,b}** by using acetic anhydride in pyridine gave **191_{a,b}**, while **192_{a,b}** were obtained using excess acetic anhydride in the absence of pyridine



Condensation reaction of **190_{a,b}** with different aldehydes afforded the corresponding anils **193_{a-c}** while, the cyclized compounds **194_{a-f}** could be obtained *via* prolonged heating..