

شبكة المعلومات الجامعية







شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

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بالرسالة صفحات لم ترد بالإصل

Cairo University



Faculty of Science Department of Chemistry

A THESIS ENTITLED

Cholup Synthesis and Reactions of New Heterocyclic Compounds as Bases for Some Nucleosides with Expected Biological Activities

Presented By

Naglaa Salem El-Sayed Ibrahim

(B.Sc., Ain Shams University, Very Good Degree, 2003)

A Thesis Submitted

To

Faculty of Science

In Partial Fulfillment of the Requirements

For The Master Degree of Science

(Chemistry)

Chemistry Department Faculty of Science Cairo University Giza, Egypt 2010

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Abstract

Name of Candidate: Naglaa Salem EL-Sayed Ibrahim

Title of M. Sc. Thesis: Synthesis and Reactions of New Heterocyclic

Compounds as Bases for Some Nucleosides with Expected Biological

Activities

Degree: M.Sc. (Organic Chemistry)

This work has been carried out to investigate the synthesis of some new nicotinonitrile derivatives, as well as, 5,6-dimethyl-4-(4-methoxyphenyl)pyrazolo[3,4-b]pyridin-3-amine, that was utilized as a synthone for the preparation of different heterocyclic compounds, by its reaction with various electrophiles.

In addition, investigating the analgesic and anti-inflammatory activities of some selected compounds.

Moreover, the preparation of some acyclic nucleosides and cyclic thioglycosides.

Key words: 2-oxo-1,2-dihydropyridine-3-carbonitrile, pyrazolo[3,4-b] pyridine derivatives, active methylene containing reagents, pyridopyrazolopyrimidine, diazocoupling, glycosides, pharmacological activity.

Thesis supervisors:

1- Prof. Dr. Abdel-Samei M. Abdel-Fattah

2- Prof. Dr. Ahmed Saleh Ali El-Sayed

Signature
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Prof. Dr Mohamed Mohamed Shokry

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APPROVAL SHEET FOR SUBMISSION

Title of (M. Sc.) Thesis:

Synthesis and Reactions of New Heterocyclic Compounds
as Bases for Some Nucleosides with Expected Biological Activities

Name of Candidate: Naglaa Salem EL-Saved Ibrahim

This thesis has been approved for submission by the supervisors:

1- Prof. Dr. Abdel-Samei M. Abdel-Fattah Signature A. M. H. del - Fee Hei L

2- Prof. Dr. Ahmed Saleh Ali El-Sayed Signature......

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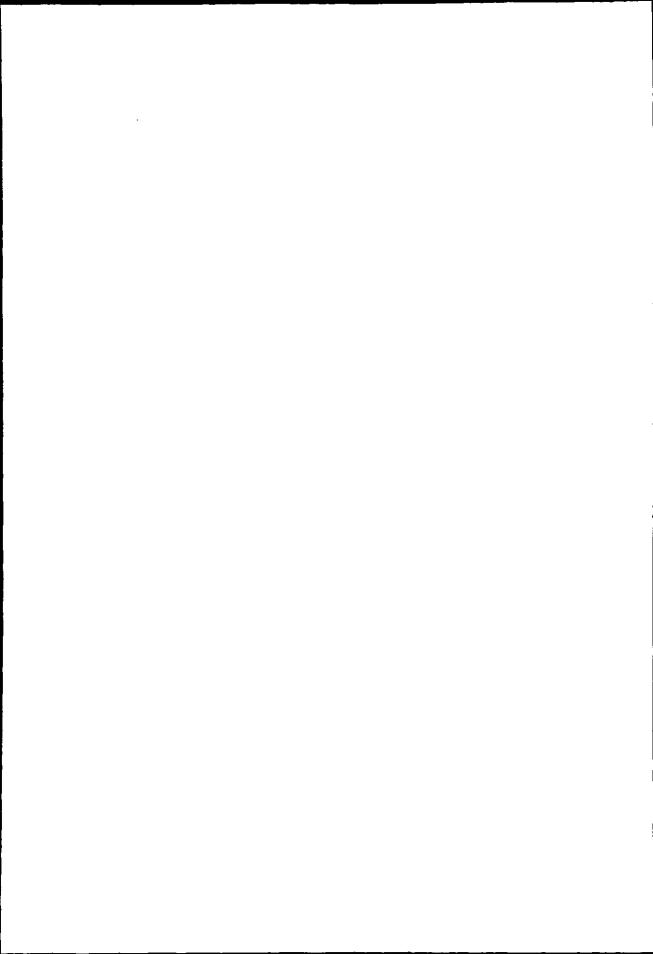
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To

My Family for Their Helpful Advice and Encouragement

The Author

Naglaa Salom El-Sayed Ibrahim Aboud



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Naglaa Salom El-Sayed Ibrahim Aboud

