



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Ain Shams University Information Network  
جامعة عين شمس

شبكة المعلومات الجامعية

@ ASUNET



# شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأفلام قد أعدت دون أية تغييرات



## يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of  
15-25- c and relative humidity 20-40%

# بعض الوثائق الأصلية تالفة



# بالرسالة صفحات نم ترد بالاصل



Ain Shams University  
Faculty of Education  
Chemistry Department  
Cairo - Egypt

B5617

**SYNTHESIS OF NEW QUINOLONES  
SUBSTITUTED  
WITH DISCREPANT HETEROCYCLES.**

*A Thesis Submitted*

*by*

**HANY MOHAMED MOHAMED HASSANIEN  
B.Sc. (1996 )**

*For*

*The Master Degree of the Teacher's Preparation  
In Science (Organic Chemistry)*

*To*

*Department of Chemistry  
Faculty of Education  
Ain Shams University  
Cairo - Egypt*

**2002**



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ

لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا

إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

بِسْمِ اللَّهِ  
الرَّحْمَنِ الرَّحِيمِ





*To My Wife &  
My Son*





Ain Shams University  
Faculty of Education

## Approval

Title : SYNTHESIS OF NEW QUINOLONES SUBSTITUTED  
WITH DISCREPANT HETEROCYCLES.

Candidate : Hany Mohamed Mohamed Hassanien

Degree : Master Degree of the Teacher's Preparation  
In Science (Organic Chemistry).

### Approved by:

1- Prof. Dr. El-Hossain Ali Mohamed ..... *E. A. Mohamed*  
(Professor of Organic Chemistry, Faculty of Education, Ain Shams University)

2- Ass. Prof. Dr. Mostafa Mohamed Ismail ..... *M. M. Ismail*  
(Associate Professor of Organic Chemistry, Faculty of Education, Ain Shams University).

3- Dr. Elham Sayed Othman ..... *E. S. Othman*  
(Lecturer of Organic Chemistry, Faculty of Education, Ain Shams University).

Date of Presentation : / / 2002

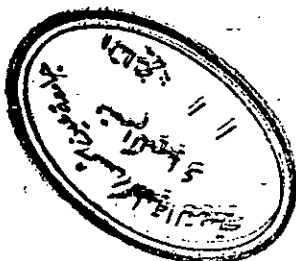
### Post Graduate Studies

Stamp of Approval : / / 2002

Date of Approval : / / 2002

Approval of Faculty Council : / / 2002

Approval of University Council : / / 2002



Prof. Dr. B. A. El-Shetary ..... *B. A. El-Shetary*  
Head of Chemistry Department  
Faculty of Education,  
Ain Shams University





Ain Shams University  
Faculty of Education

### Title Sheet

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**Department:** Chemistry.

**Faculty:** Faculty of Education

**University:** Ain Shams University

**Data of Award:** / / 2002

