



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم



نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %



شبكة المعلومات الجامعية



بعض الوثائق الأصلية تالفة



شبكة المعلومات الجامعية



بالرسالة صفحات

لم ترد بالأصل



South Valley University
Aswan-Faculty of Science
Department of Chemistry

B977

STUDIES ON SOME HETEROCYCLIC COMPOUNDS

A THESIS

**Submitted To The Department Of Chemistry Of Aswan Faculty of Science
South Valley University**

For

**The Degree of Master of Science Chemistry
(Organic Chemistry)**

Presented by

**Walied Khairy El-Sayed El-Hawaty
(B.Sc. Special Chemistry, 1996)**

Supervised by

**Prof. Dr. Mohamed E. Hassan
Prof. of Organic Chemistry
Port-said Faculty of Education
Suez Canal University**

**Dr. Mohamed A. M. Rasslan
Lecturer of Organic Chemistry
Aswan Faculty of Science
South Valley University**

**Dr. Mohamed A. A. Khalil
Lecturer of Organic Chemistry
Aswan Faculty of Science
South Valley University**

(1426 – 2007G)

July 1919

1234

.....

.....

.....

.....

.....

.....

DEDICATED TO:

My Father, Mother, Brothers

My Angeles Salma & Nour

My Lovley Wife 

1. The first part of the paper is devoted to a general discussion of the problem of the origin of the universe.

2. The second part is devoted to a discussion of the problem of the origin of life.

3. The third part is devoted to a discussion of the problem of the origin of man.

4. The fourth part is devoted to a discussion of the problem of the origin of the human mind.

5. The fifth part is devoted to a discussion of the problem of the origin of the human soul.

6. The sixth part is devoted to a discussion of the problem of the origin of the human body.

7. The seventh part is devoted to a discussion of the problem of the origin of the human spirit.

8. The eighth part is devoted to a discussion of the problem of the origin of the human intellect.

9. The ninth part is devoted to a discussion of the problem of the origin of the human will.

10. The tenth part is devoted to a discussion of the problem of the origin of the human emotions.

11. The eleventh part is devoted to a discussion of the problem of the origin of the human senses.

12. The twelfth part is devoted to a discussion of the problem of the origin of the human faculties.

13. The thirteenth part is devoted to a discussion of the problem of the origin of the human powers.

14. The fourteenth part is devoted to a discussion of the problem of the origin of the human virtues.

15. The fifteenth part is devoted to a discussion of the problem of the origin of the human vices.

16. The sixteenth part is devoted to a discussion of the problem of the origin of the human sins.

17. The seventeenth part is devoted to a discussion of the problem of the origin of the human virtues.

18. The eighteenth part is devoted to a discussion of the problem of the origin of the human vices.

19. The nineteenth part is devoted to a discussion of the problem of the origin of the human sins.

20. The twentieth part is devoted to a discussion of the problem of the origin of the human virtues.

Contents

1. Introduction
2. Theoretical Framework
3. Methodology
4. Results
5. Discussion
6. Conclusion
7. References
8. Appendix
9. Glossary
10. Index

Contents	Page
1- SUMMARY	1
2- INTRODUCTION	21
2.1. Thiazole Derivatives In Heterocyclic Synthesis	21
2.2. Biologically Important Thiazoles	67
2.3. Thiazole-Containing Drug Candidates	71
2.4. Synthesis Of Thiazole-Containing Natural Products	73
3. RESULTS AND DISCUSSION	75
4. EXPERIMENTAL	137
REFERENCES	165

