سامية محمد مصطفى

شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

سامية محمد مصطفى

شبكة المعلومات الجامعية

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

سامية محمد مصطفى

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

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سامية محمد مصطفى

شبكة المعلومات الجامعية

بعض الوثائق الأصلية تالفة

سامية محمد مصطفى

شبكة المعلومات الجامعية

بالرسالة صفحات لم ترد بالأصل

NEW ROUTES TO BIOLOGICALLY ACTIVE AZOLES

A THESIS

Presented in partial Fulfillment to
Faculty of Science, Cairo University

For

The Degree of Master of Science in Chemistry

By

Mohamed Abd Elslam Eloni
B.Sc. Special Chemistry 1991

Supervised by

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Chemistry Department Faculty of Science

Cairo University

2005


بسم الله الرحمن الرحيم

بسم الله الرحمن الرحيم

"سنريكم آياتنا فى الآفاق وفى أنفسكم حتى يتبين لكم أنه الحق"

صدق الله العظيم

ACKNOWLEDEGMENT

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Approval Sheet

Title of the M. Sc. Thesis:

NEW ROUTES TO BIOLOGICALLY ACTIVE AZOLE

Nam of the candidate: ***Mohamed Abd Elslam Eloni***

Submitted To The Faculty Of science, University Of Cairo.

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ABSTRACT

Title of the M. Sc. Thesis:

NEW ROUTES TO BIOLOGICALLY ACTIVE AZOLES

This work has been carried out to investigate possible utilities of aryl and alkyl azopyazol-3-carboxylates as start for synthesis of 4-aminopyrazole-3-carboxylates, which are important intermediates in synthesis of viagra , allopurinol and other a variety of condensed pyrazoles whose biological activity is very often interesting.

Supervisors,

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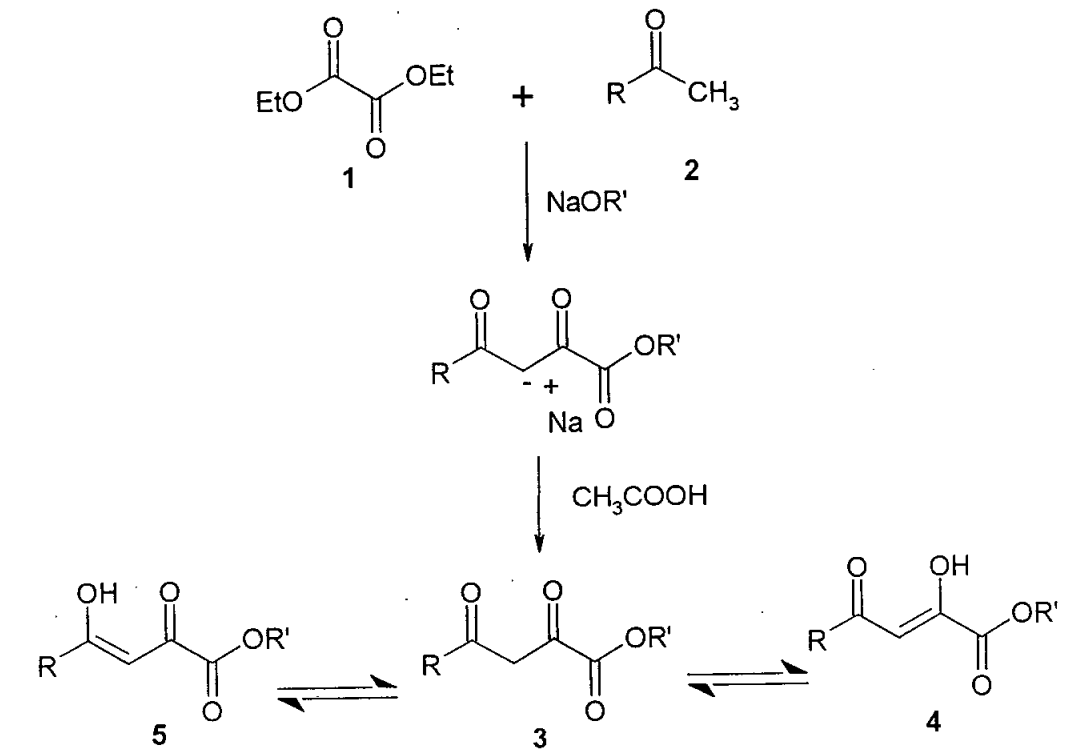
Summary

summary of the original work

NEW ROUTES TO BIOLOGICALLY ACTIVE AZOLES

We found that diethyl oxalate (1) reacts with methyl ketones (2) in the precence of alkoxides, best yield was obtained when sodium methoxide was utilized, but under these conditions ester group exchange occurred and the methyl esters in either tatumeric formes (3-5) were obtained in good yield ; ***(cf chart 1)***.



3 a ,R=C_6H_5 ,R'=CH_3

b ,R=C_6H_5 ,R'=C_2H_5

Chart 1