سامية محمد مصطفى

شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

سامية محمد مصطفى

شبكة المعلومات الجامعية

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التوثيق الالكتروني والميكروفيلم

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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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بالرسالة صفحات لم ترد بالأصل

STUDIES ON SOME HETEROCYCLIC COMPOUNDS

A THESIS

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1996

بسم الله الرحمن الرحيم

﴿ ولسوف يعطيك ربك فترضى ﴾

صدق الله العظيم

TO

MY PARENTS

AND

MY FAMILY

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ACKNOWLEDGEMENT

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Thana M. Talaat

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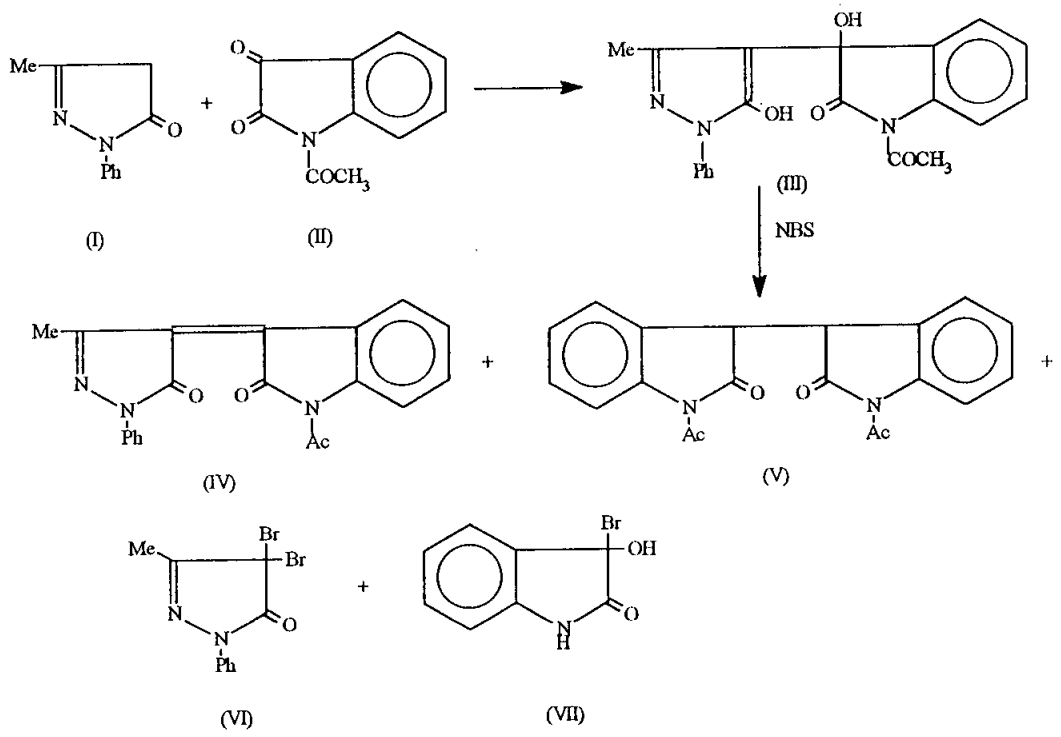
SUMMARY

SUMMARY OF THE ORIGINAL WORK

The mixed moiety (III) was prepared via refluxing (I) with N-acetylisatin (II). Treatment of (III) with N-bromosuccinimide gave a mixture of pyrazole blue analogue (IV), bis-N-acetyloxindole (V),4,4-dibromo-3-methyl-1-phenyl-2-pyrazolin-5-one (VI) and 3-bromo-3-hydroxy-2-oxindole (VII).



(I) (II) (III) (IV) (V) (VI) (VII)

Compound (IV) reacted with amines, namely aniline, o-phenylenediamine, benzylamine, N,N-dimethylaniline to give the trispyrazolone (VIII), the spiro product (IX), the addition products (X) and (XI) respectively.

Refluxing (IV) with hydrazine hydrate afforded the hydrazone (XII), while the addition product (XIII) was obtained when the reaction was carried out at room temperature. Compound (IV) reacted with phenylhydrazine in refluxing ethanol to give the bis-pyrazolone (XIV).