

Graphical Abstracts

EFFICIENT SYNTHESIS OF (±)-*seco*-CYCLO-PROPANEINDOLINE ANALOGS OF CC-1065

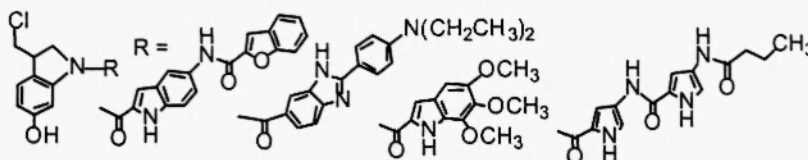
Heterocycl. Commun. 7 (2001) 7-16

Sharon A. Jennings,^a James L. Toth,^a Shane G. Roller,^a Natalie Brooks,^b Caroline O'Hare,^b Konstantinos Kiakos,^b John A. Hartley,^b Philip J. Burke,^c and Moses Lee,^{a,*}

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8BT, U.K. ^cEnazcta Ltd., Porton Down Science Park, Salisbury, Wiltshire SP4 0JQ, U.K.



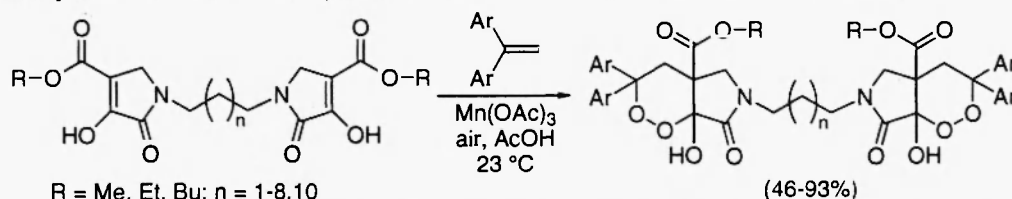
Heterocycl. Commun. 7 (2001) 17-22

SYNTHESIS OF AZABICYCLIC PEROXIDES CONNECTED BY METHYLENE CHAIN USING MANGANESE(III)-CATALYZED SIMULTANEOUS CYCLIZATION ON BOTH ENDS

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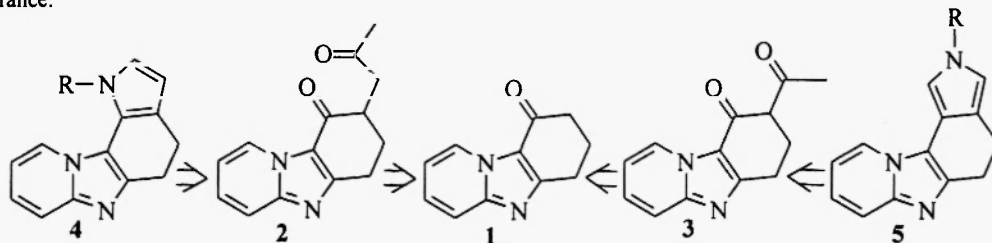
Dialkyl *N,N'*-oligomethylenebis(2,3-pyrrolidinedione-4-carboxylate)s reacted with 1,1-diarylethenes in the presence of manganese(III) acetate in a dry air stream to give dialkyl *N,N'*-oligomethylenebis(1-hydroxy-4,4-diaryl-8-aza-2,3-dioxabicyclo[4.3.0]nonan-9-one-6-carboxylate)s in good yields.

Heterocycl. Commun. 7 (2001) 23-28

REACTIVITY OF 6,7,8,9-TETRAHYDROPYRIDO[1,2-*a*]BENZIMIDAZOL-9-ONE : SYNTHESIS OF PYRROLOPYRIDOBENZIMIDAZOLES

Marianne DUPUY^{a,b}, Frederic PINGUET^b, Olivier CHAVIGNON^c, Jean-Claude TEULADE^c, Jean-Pierre CHAPAT^d, Yves BLACHE^{a,*}

Laboratoire de Chimie Organique Pharmaceutique, E.A. 2414,^a 15 Avenue Charles Flahault, Faculté de Pharmacie, 34060 Montpellier. Laboratoire d'oncopharmacologie, Centre Régional de Lutte contre le Cancer, ^b Val d'Aurelle, 34298 Montpellier Cedex 05, and Laboratoire de Chimie Organique Pharmaceutique, UFR de Pharmacie, ^c 28 Place Henry Dunant, B.P. 38, 63001 Clermont-Ferrand, France.



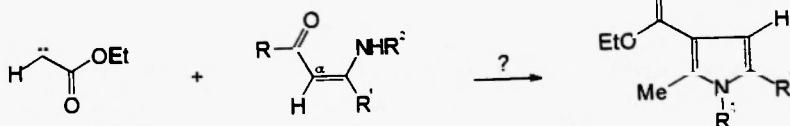
Abstract : reactivity of 6,7,8,9-tetrahydropyrido[1,2-*a*]benzimidazol-9-ones **1** to give the 1,4 and 1,3-dicarbonyl compounds **2** and **3** is reported. Heterocyclisation of these derivatives is investigated in view of the obtention of the tetracyclic pyrrolic frameworks **4** and **5**.

A MECHANISTIC PROPOSAL FOR THE FORMATION OF UNEXPECTED PYRROLES IN REACTIONS OF CARBOETHOXYCARBENE WITH ENAMINONES

Rodinei Augusti*

Federal University of Minas Gerais, Department of Chemistry
Belo Horizonte, MG 31270-901, Brazil

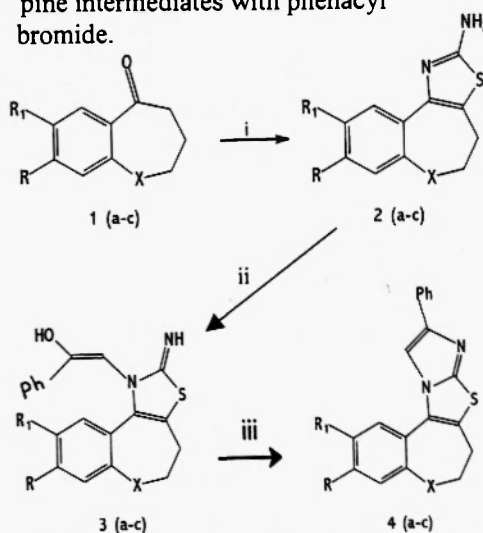
A reaction mechanism is proposed for the unexpected formation of 3-carboethoxy-2-methyl pyrroles in reactions of acyclic enaminones with carbethoxycarbene, formed *in situ* from cupric acetilacetate catalyzed decomposition of ethyl diazoacetate.



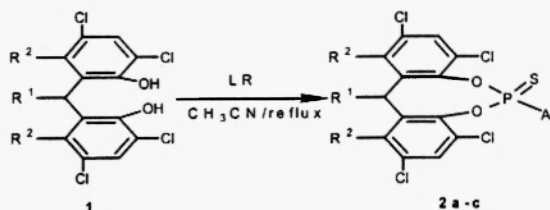
Synthesis of 5-(4-methyl phenyl sulfonyl)-10-phenyl-6,7-dihydro-5H-benzo[b]imidazo[2',1':2,3][1,3]thiazolo[4,5-d]azepin-5-yl.

Lingaiah Nagarapu* & Kalyani Sambaru

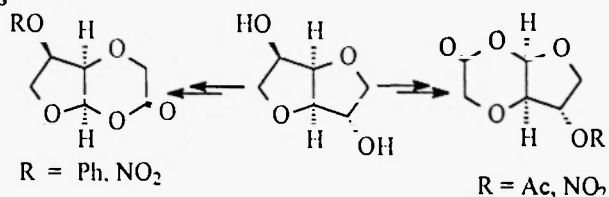
The new heterocyclic imidazo thiazolo benzazepines are prepared by the Reaction of imino thiazolobenzazepine intermediates with phenacyl bromide.



A CONVENIENT SYNTHESIS OF DERIVATIVES OF 1,3,2-DIOXAPHOSPHOCANE-2-SULFIDE WITH BIOACTIVITY VIA LAWESSON'S REAGENT

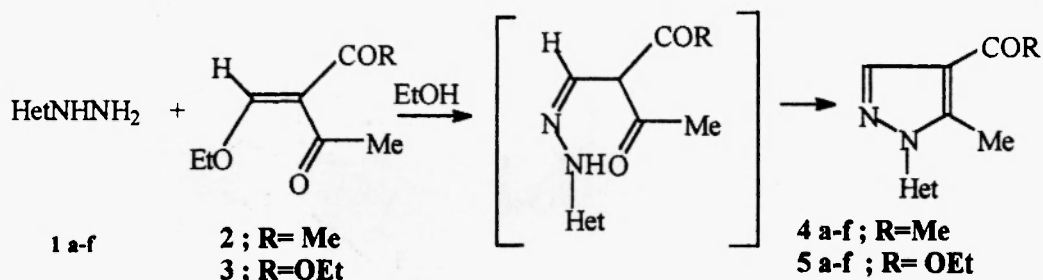
Yanping Luo^{a,c}, Liangnian He^a, Mingwu Ding^a, Guangfu Yang^a, Aihong Luo^a, Xiaopeng Liu^b, Tianjie Wu^b^a Institute of Organic Synthesis, Central China Normal University, Wuhan, 430079, P. R. ChinaLawesson's reagent reacted with the substituted 1,5-bisphenol **1** to afford 1,3,2-dioxaphosphocane-2-sulfide **2**.

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SYNTHESIS OF 4-ACETYL OR (CARBETHOXY)-5-METHYL-1-HETEROCYCLYLPIRAZOLES

Shiv P Singh^{*} Jitander K Kapoor and Anil K Sadana



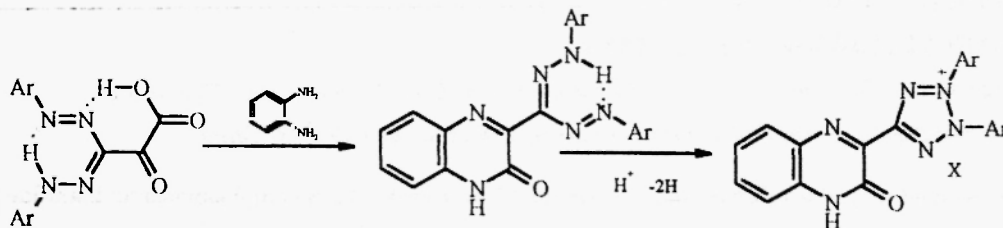
Cyclization Reactions of Hydrazones XXVII

Synthesis and oxidative cyclization of some formazans of quinoxaline group

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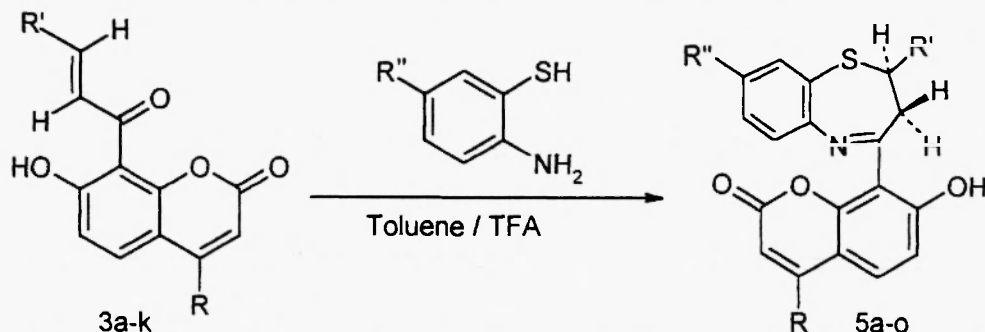


SYNTHESIS OF SOME NEW 1,5-BENZOTHAZEPINS CONTAINING 2H-1-BENZOPYRAN-2-ONE HETEROCYCLE

A. Prashant*, S. Srinivas Rao, K.S. Chowdary, & V.S.H. Krishnan

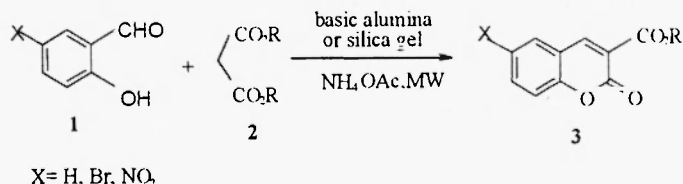
DR. Krishnan's Laboratories, Plot No:99, Prashant Nagar, Kukatpally, Hyderabad-500 072, INDIA.

Abstract: A facile procedure has been developed for the synthesis of 2-aryl/heteryl-4-(2H-1-benzopyran-2-one-8-yl)-2,3-dihydro-1,5-benzothiazepines (**5a-o**) by the reaction of 1-(2H-1-benzopyran-2-one-8-yl)-3-aryl/heteryl-2-propenones (**3a-k**) with 2-aminothiophenols (**4a,b**) in toluene in the presence of trifluoroacetic acid.



One Pot Preparation Of Coumarins By Knoevenagel Condensation In Solvent Free Condition Under Microwave Irradiation

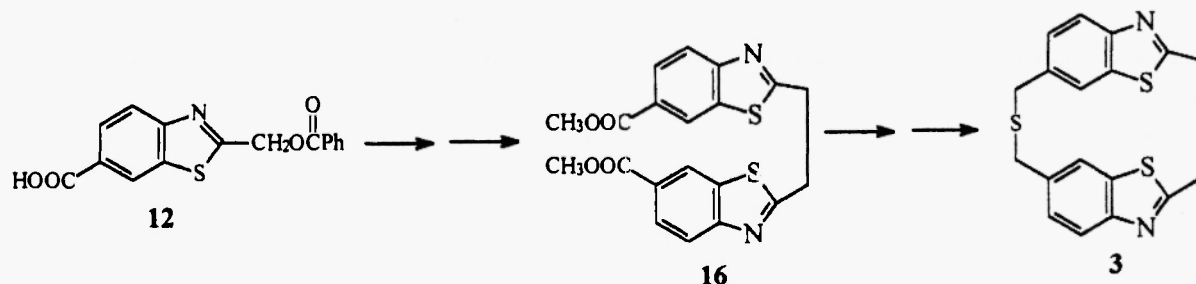
3-Substituted coumarins were prepared by the Knoevenagel reaction of 2-hydroxybenzaldehyde derivatives and 2-hydroxy-1-naphthaldehyde in the presence of ammonium acetate on basic alumina or silica gel under microwave irradiation.



Saeed Balalaie* and Navid Nemati

Attempt Towards Syn-benzothiazolophane: Synthesis and Conformational study of syn-dithia-[3.3](2,6)Benzothiazolophane.

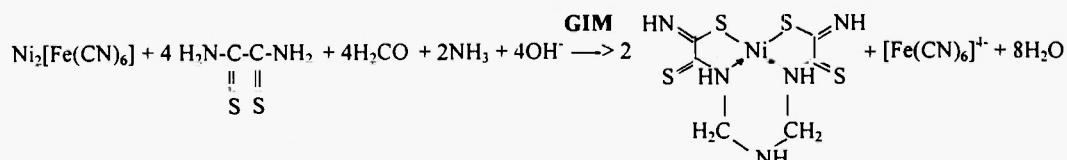
Sabir H. Mashraqui*, Sukeerthi Kumar and Kishore R. Nivalkar
Department of Chemistry, University of Mumbai, Vidyanagai, Santacruz (E), Mumbai-400098, INDIA.



LOW-TEMPERATURIC TEMPLATE SYNTHESIS OF NICKEL-CONTAINING HETEROCYCLIC COMPOUND WITH 2,8-DITHIO-3,5,7-TRIAZANONANDITHIO-AMIDE-1,9 IN GELATIN-IMMOBILIZED MATRIX

Oleg V. Mikhailov

Kazan State Technological University, K.Marx Street 68, 420015 Kazan, Russia



SYNTHESIS OF SOME SCHIFF BASES, THIAZOLIDINONES AND AZETIDINONES DERIVED FROM 2,6-DIAMINO BENZO[1,2-d:4,5-d']BISTHIAZOLE AND THEIR ANTICANCER ACTIVITIES

Sunil B Desai, P.B.Desai and K.R.Desai*

Department of Chemistry, South Gujarat University, Surat-395 007(India)

Thiazolidinones and azetidinones have been prepared by the reaction of various schiff bases with thioglycolic acid and chloroacetyl chloride respectively. The intermediate schiff bases were synthesised by the condensation of 2,6-Diamino benzo[1,2-d:4,5-d']bisthiazole with various aldehydes. The thiazolidinones and azetidinones were tested for their anticancer activity.

