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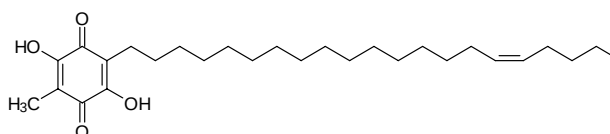
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CONTENTS

Papers

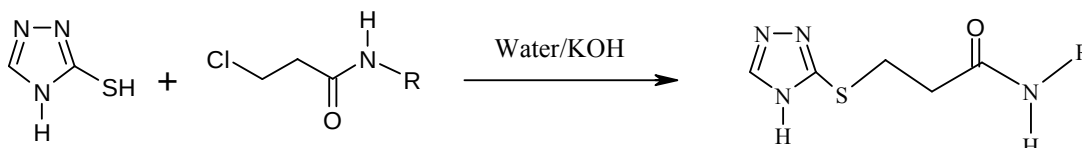
- 1637** **A new quinone from *Maesa indica* (roxb.)A.dc, (myrsinaceae)** A new benzoquinone, kiritiquinone 2,5-dihydroxy-6-methyl-3-(henicos-16-enyl)-1,4-benzoquinone, has been isolated from the fruits of *Maesa indica* (Roxb.) A.DC.



Gina R Kuruvilla, M Neeraja, A Srikrishna* G S R Subba Rao, A V S Sudhakar & Padma Venkatasubramanian

Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India

- 1642** **Synthesis and biological screening of novel derivatives of 3-(N-substituted carboxamidoethylthio)-(4H)-1,2,4-triazoles** 3-Mercapto-(4H)-1,2,4-triazole has been synthesized from 1-formylthiosemicarbazide. Different N-substituted β -chloropropionamides have been prepared by reacting substituted amines with β -chloropropionylchloride. Different N-substituted β -chloropropionamides have been condensed with 3-mercapto-(4H)-1,2,4-triazole in basic medium to obtained various 3-(N-substituted carboxamidoethylthio)-(4H)-1,2,4-triazoles.

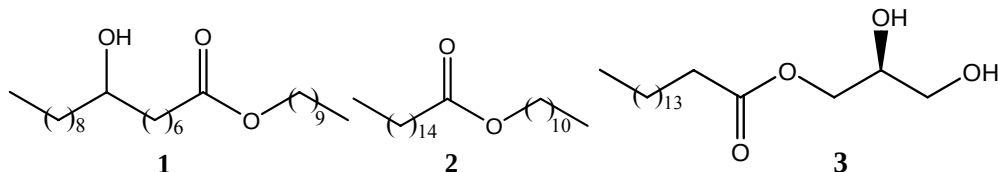


Anil M Manikrao*, Ravindra A Fursule, K S Rajesh, Harish K Kunjwani & Prafulla M Sabale

Department of Pharmaceutical Chemistry, Parul Institute of Pharmacy, Limda, Vadodara 391 760, India

1648 Total synthesis of three natural products: Decyl 8-hydroxyheptadecanoate, undecyl hexadecanoate and 2,3-dihydroxypropyl hexadecanoate

First syntheses of decyl 8-hydroxy-heptadecanoate **1** and undecyl hexadecanoate **2** via utilization of microwave energy have been achieved and a new synthesis of 2,3-dihydroxypropyl hexadecanoate **3** has also been accomplished from readily available starting compound hexadecanol.



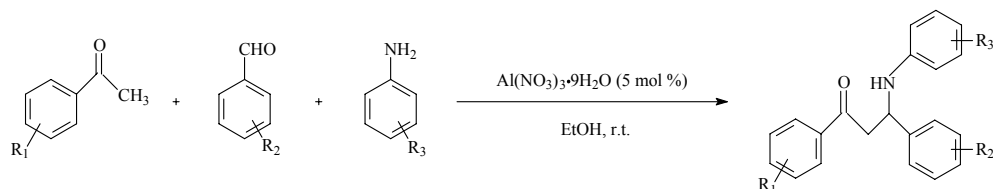
Ashima Singh, M L Sharma & Jasvinder Singh*

Department of Chemistry and Centre for Advanced Studies in Chemistry, Panjab University, Chandigarh 160 014, India

Notes

1653 Aluminium nitrate as an efficient and reusable catalyst for the three components one-pot Mannich reaction: Synthesis of β -amino carbonyl compounds

Three components one-pot Mannich reaction of aromatic ketones, aromatic aldehydes and aromatic amines has been efficiently catalysed by recyclable aluminium nitrate at ambient temperature to give various β -amino carbonyl compounds in high yields.

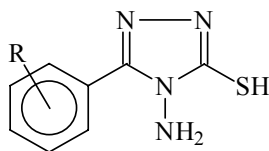


Min Wang*, Yan Liang & Zhiguo Song

College of Chemistry and Chemical Engineering, Bohai University, Jinzhou 121000, P. R. China

1657 Quantitative structure activity relationships for the nematocidal activity of 4-amino-5-substituted aryl-3-mercapto-(4H)-1,2,4-triazoles

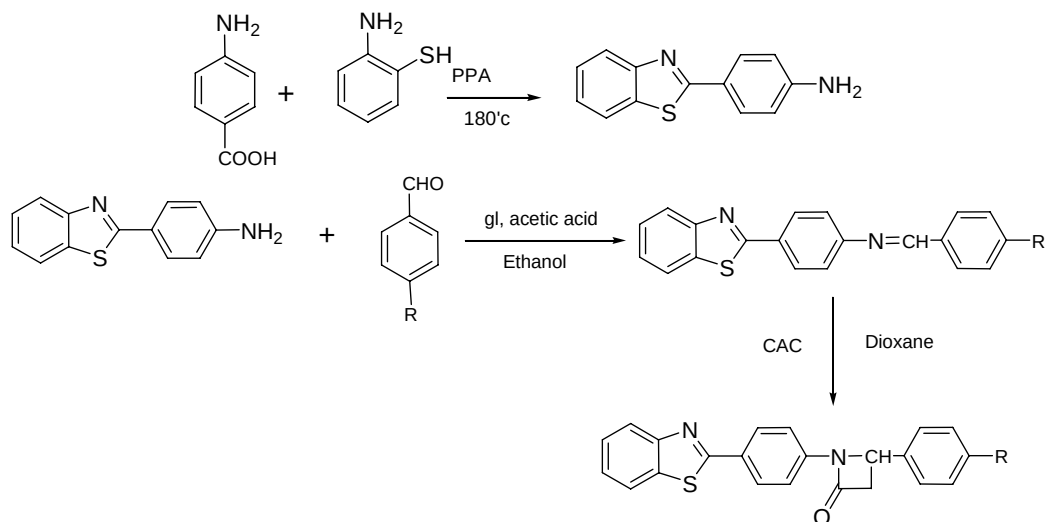
The relationship between the structure of a series of 4-amino-5-substituted aryl-3-mercapto-(4H)-1,2,4-triazoles and their nematocidal activity against *M. incognita* and *R. reniformis* has been studied using physicochemical parameters of the molecules.



Bijul Lakshman A, R L Gupta* & D Prasad

Division of Agricultural Chemicals, Division of Nematology, Indian Agricultural Research Institute, New Delhi 110 012, India

1662 Synthesis of benzothiazole appended β -lactams through [2+2]-cycloaddition reaction

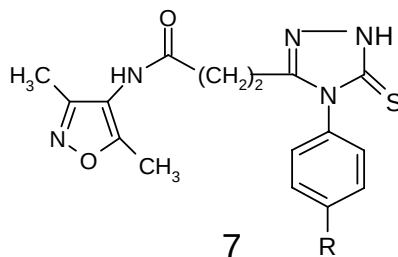


Arasampattu S Nagarajan, D Kathirvelan, M Pramesh & Boreddy S R Reddy*

Industrial Chemistry Laboratory, Central Leather Research Institute, Chennai 600 020, India

1667 Synthesis of *N*-1-(3,5-dimethyl-4-isoxazolyl)-3-(4-aryl-5-thioxo-4,5-dihydro-1*H*-1,2,4-triazol-3-yl)-propanamides as possible antitumor agents

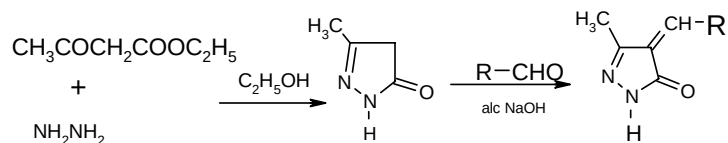
Synthesis of *N*-1-(3,5-dimethyl-4-isoxazolyl)-3-(4-aryl-5-thioxo-4,5-dihydro-1*H*-1,2,4-triazol-3-yl)-propanamides **7** have been accomplished from 4-amino-3,5-dimethylisoxazole **1** in five steps. The structural elucidation of the synthesized compounds has been performed by IR, ^1H NMR and mass spectroscopic data besides elemental analyses.



Ch V Narsimha Reddy, S Raju, M Nagi Reddy & E Rajanarendar*

Department of Chemistry, Kakatiya University, Warangal 506 009, India

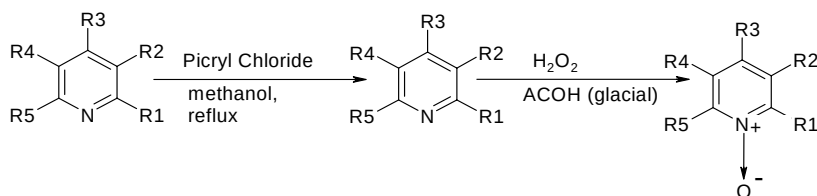
- 1671 Synthesis and bioactivity evaluation of pyrazolone derivatives** A series of 3-methyl pyrazolone derivatives have been synthesized and characterized. All the compounds have shown significant analgesic and anti inflammatory activity.



Mariappan G*, Saha B P, Sutharson L & Haldar A

Department of Pharmaceutical Chemistry, Himalayan Pharmacy Institute, Majhitar, East Sikkim 737 136, India

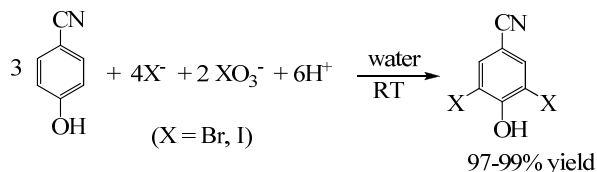
- 1675 Studies of antimicrobial activity of picryl amino pyridine N-oxides** Biologically active picryl amino pyridines and their N-oxide have been successfully synthesized and screened for their antimicrobial potency to set up the structure activity relationships and found to possess better antibacterial activity than antifungal activity.



D M Badgujar, M B Talawar, S N Asthana & P P Mahulikar*

School of Chemical Sciences, North Maharashtra University, Jalgaon 425 001, India

- 1678 High atom efficient and environment-friendly preparation of herbicides bromoxynil and ioxynil** High atom efficient and environment-friendly preparation of herbicides bromoxynil and ioxynil using bromide/bromate and iodide/iodate couple as halogenating reagent in water at room temperature is described.



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- 1681 Annual Index**

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