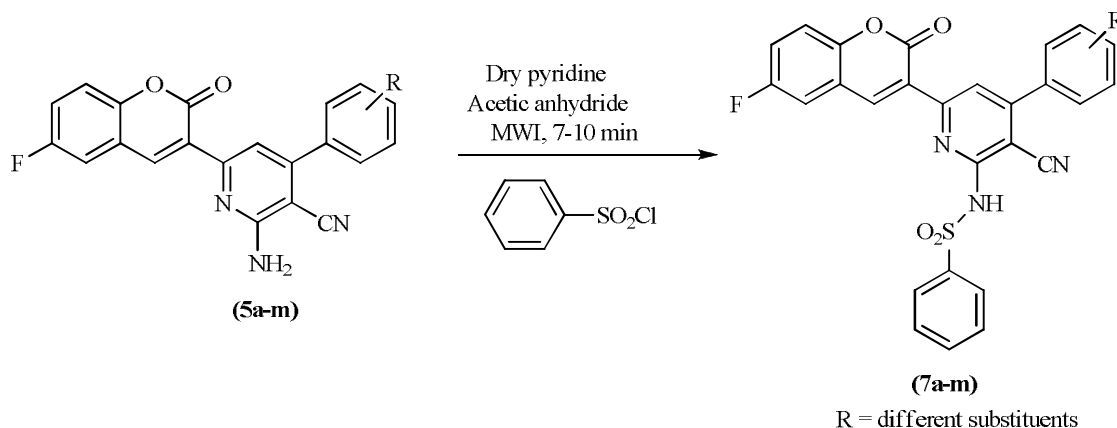


904 Microwave assisted synthesis of new coumarin based 3-cyanopyridine scaffolds bearing sulfonamide group having antimicrobial activity

N-(3-Cyano-6-(6-fluoro-2-oxo-2*H*-chromen-3-yl)-4-(4-aryl)pyridin-2yl)benzene sulfonamides **7a-m** have been synthesized by classical as well as microwave assisted method and these compounds have been screened for their antimicrobial activity.

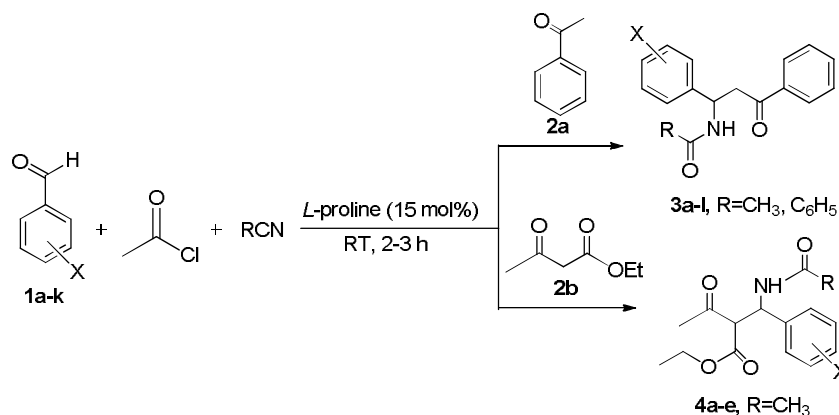


N C Desai*, H M Satodiya, K M Rajpara, V V Joshi & H V Vaghani

Division of Green Chemistry, Department of Chemistry, DST-FIST Sponsored Department, Maharaja Krishnakumarsinhji Bhavnagar University, Mahatma Gandhi Campus, Bhavnagar 364 002, India

915 An efficient L-proline catalyzed four-component synthesis of β -acetamido ketones and esters

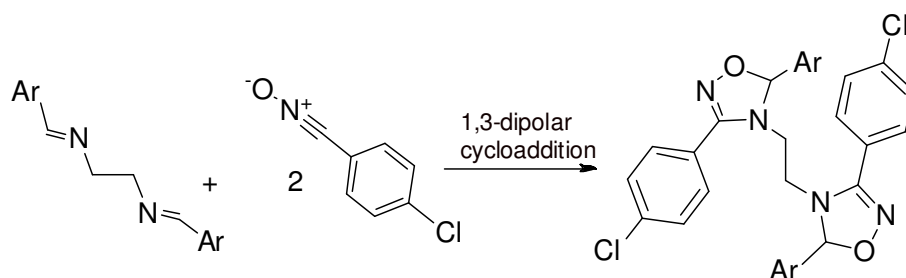
An environmentally benign synthesis of β -acetamido carbonyl compounds has been achieved in high yields by one-pot multi-component condensation of aryl aldehyde, acetyl chloride, acetonitrile/benzonitrile and enolisable ketone/ester in the catalytic presence of L-proline.



Neetu Singh, Satish Kumar Singh & Krishna Nand Singh*

Department of Chemistry [Centre of Advanced Study], Faculty of Science, Banaras Hindu University, Varanasi 221 005, India

- 922 **Synthesis of new antifungal 1,2,4-bis-oxadiazolines using cycloaddition reaction of nitrile oxide with bis-Schiff base**

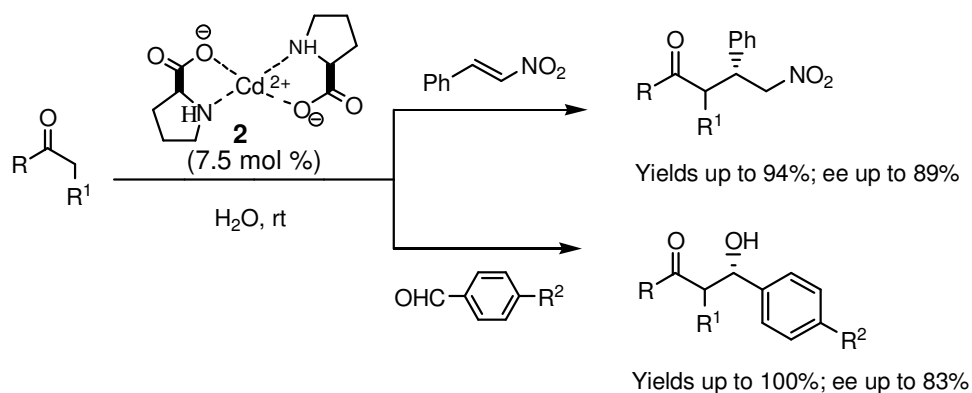


Ahmed Toumi, Mejda Daami-Remadi & Hichem Ben Jannet*

Laboratoire de Chimie Hétérocyclique, Produits Naturels et Réactivité (CHPNR),
Equipe Chimie Bioorganique et Produits Naturels, Département de Chimie, Faculté des Sciences de Monastir,
Université de Monastir, Avenue de l'Environnement, 5019 Monastir, Tunisia

- 929 **Cadmium-proline catalyzed direct asymmetric Michael and Aldol reactions in water**

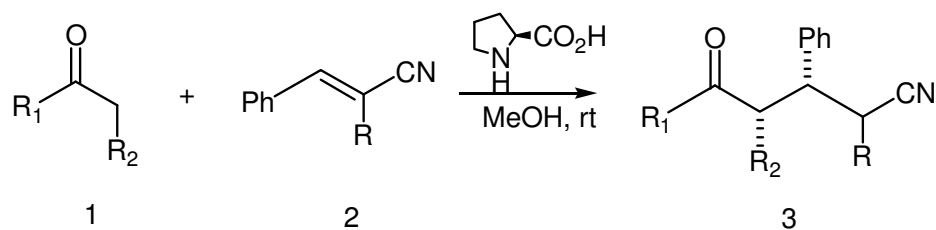
The cadmium-proline complex has been used in direct asymmetric Michael and aldol reactions in water at room temperature. The chiral catalyst has been easily prepared from commercially available L-proline. Moreover, the catalyst has been readily recovered and reused for at least five times without a significant loss of catalytic activity or stereoselectivity.



Bhavna Thingom, Soniya D Moirangthem & Warjeet S Laitonjam*

Department of Chemistry, Manipur University, Canchipur 795 003, India

937 Proline catalyzed enantioselective Michael additions of unmodified ketones to arylidines



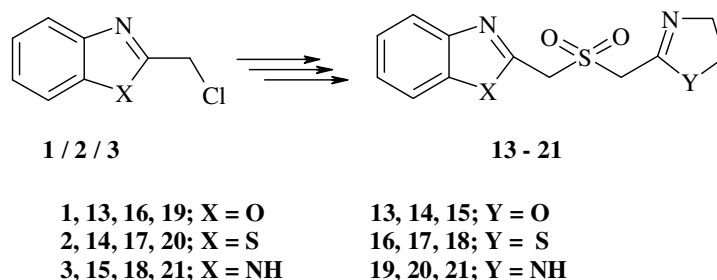
Nimalini Moirangthem, Bhavna Thingom, Soniya D Moirangthem & Warjeet S Laitonjam*

Department of Chemistry, Manipur University, Canchipur 795 003, India

Notes

942 Synthesis of some new oxazoliny/thiazoliny/imidazoliny-benzoxazoliny- benzoxazoles, benzothiazoles and benzimidazoles

A new class of oxazoliny/thiazoliny/imidazoliny-benzoxazoles/benzothiazoles/benzimidazoles have been prepared by exploiting the respective heterocyclic sulfonyl acetic acid methyl ester functionality with different nucleophiles using samarium(III) chloride.

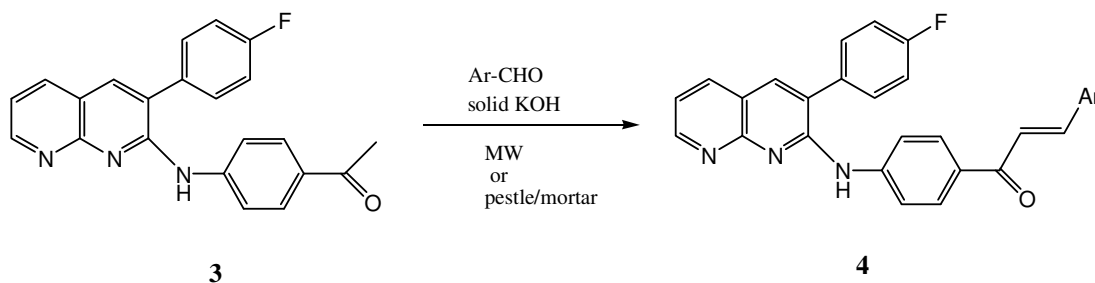


D Seenaiah, B C Venkatesh, A Padmaja & V Padmavathi*

Department of Chemistry, Sri Venkateswara University, Tirupati 517 502, India

949 Claisen-Schmidt condensation in solvent-free conditions via the use of microwave irradiation and pestle/mortar

A high yielding and rapid method of Claisen-Schmidt condensation of 2-(4-acetylphenylamino)-3-(4-fluorophenyl)-1,8-naphthyridine **3** with various aromatic aldehydes in the presence of solid KOH in combination with microwave irradiation and also with a pestle and mortar under solvent-free conditions affords 2-(4-cinnamoylphenylamino)-3-(4-fluorophenyl)-1,8-naphthyridines (chalcones or α, β -unsaturated ketones) **4** is described.

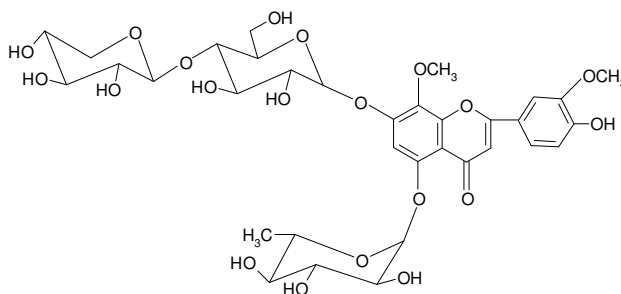


K Mogilaiah*, A Vinay Chandra & D Praveena

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

953 New biologically active allelochemical from seeds of *Cassia absus* Linn.

A new bioactive allelochemical **1**, m.p. 235-36°C, m.f. $C_{34}H_{42}O_{20}$, $[M]^+ 770$ (FABMS), has been isolated from methanolic extract of the seeds of *Cassia absus* Linn. alongwith two known compounds 3, 5, 7, 4'-tetrahydroxy-2', 5'-dimethoxy flavone and Luteolin. The structure of a new compound has been characterized as 5, 7, 4'-trihydroxy-8,3'-dimethoxyflavone-5-O- α -L-rhamnopyranosyl-7-O- β -D-xylopyranosyl-(1 \rightarrow 4)-O- β -D-galactopyranoside by various colour reactions, spectral analysis and chemical degradations.



R N Yadava* & Umesh Kumar Vishwakarma

Natural Products Laboratory, Department of Chemistry, Dr. H. S. Gour University, Sagar 470 003, India

Authors for correspondence are indicated by (*)