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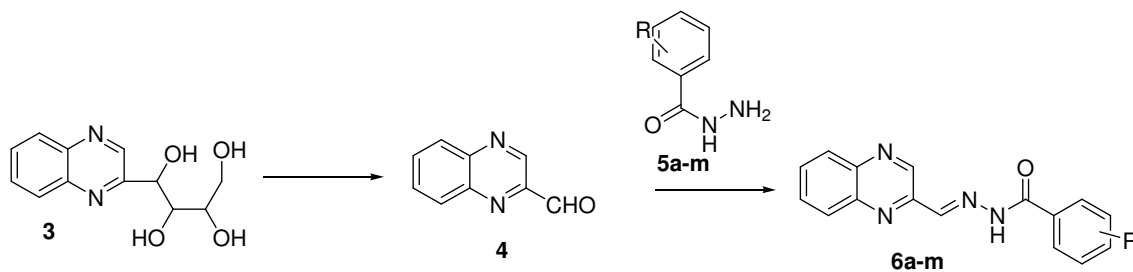
Papers

- 197** **Synthesis, spectral correlations and antimicrobial activities of substituted 4-((*E*)-2-benzylidenehydrazinyl)benzonitriles** A series of ten substituted hydrazones have been synthesized in good yield by condensation of 4-cyanophenyl hydrazine with various substituted benzaldehydes in the presence of acetic acid. The effects of substituents of the synthesized compounds on their spectral characteristics have been discussed using statistical analysis. The antimicrobial activities of all the synthesized hydrazones have been studied.

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- 207** **Synthesis and antibacterial activity of some new quinoxaline-benzohydrazides**



V Haripriya, E Laxminarayana & M Thirumala Chary*

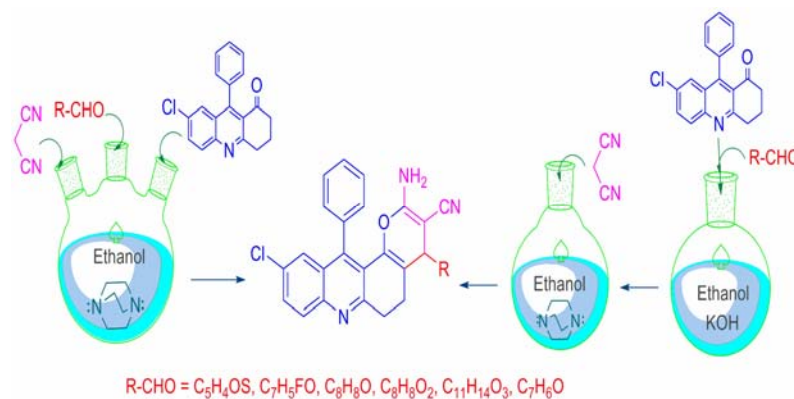
JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad 500 085, India

- 213** **Forced degradation study of abacavir sulfate under the frame of genotoxic impurity**

Anuj Prakash, Anil K Teotia, Javed A Farooqi* & G N Singh

School of Science, Indira Gandhi National Open University, Maidan Garhi, New Delhi 110 068, India

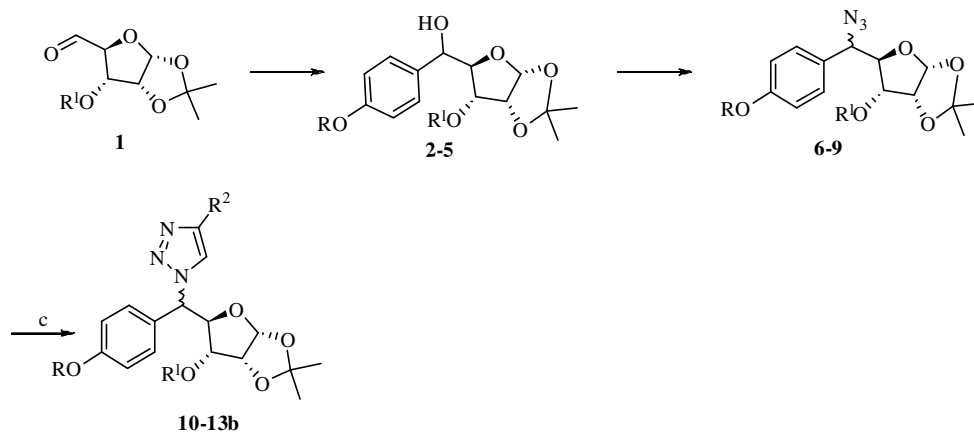
- 220 DABCO prompted tandem and multicomponent synthetic protocol of pyrano[2,3-*a*]acridines** An elegant synthesis of pyrano[2,3-*a*]acridines is presented, where 7-chloro-9-phenyl-3,4-dihydroacridin-1(2*H*)-one reacts with aryl aldehydes and malononitrile in a three-component system using 1,4-diazabicyclo [2.2.2]octane (DABCO) as catalyst in ethanol, giving excellent yields above those reached in a conventional step-wise approach.



Rajendran Satheeshkumar, Werner Kaminsky & Karnam Jayarampillai Rajendra Prasad*

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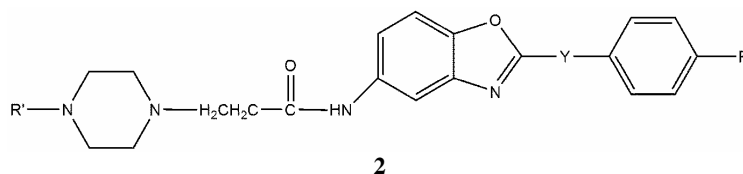
- 231 Synthesis of 1,2,3-triazole glycosides as anticancer agents** A series of novel 1,2,3-triazole glycosides have been prepared by the addition reaction of O-methyl allose aldehyde with Grignard reagent. Subsequent treatment with $TMSN_3$ gives the corresponding azide, which on reaction with alkynes gives 1,2,3-triazole glycosides. Characterization of all the compounds has been carried out by IR, 1H NMR, mass spectroscopy and elemental analysis. Anticancer activity of the compounds has also been evaluated.



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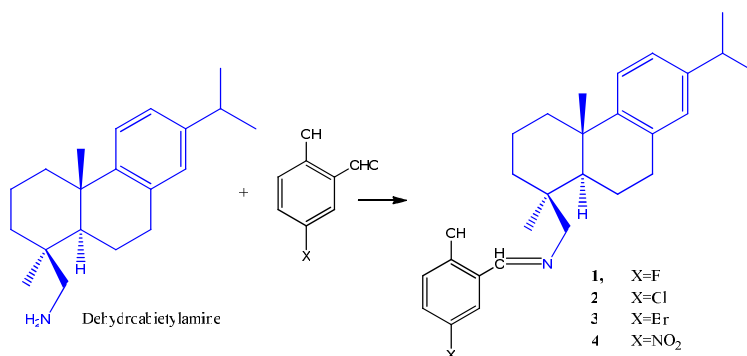
- 240** **Synthesis of some piperazinobenzoxazole derivatives and their antimicrobial properties** A series of 2-(*p*-substituted phenyl/benzyl)-5-[3-[(*p*-chlorophenyl)/phenyl]piperazin-1-yl] propionamido]-benzoxazoles have been synthesized. New and previously synthesized benzoxazoles have been evaluated for their antibacterial and antifungal activity against standard strains, and their drug-resistant isolates in comparison with reference drugs. The synthesized compounds have been found to exhibit broad antibacterial activity.



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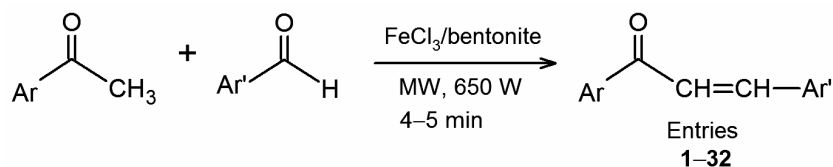
- 248** **Study on the antiproliferative activity of four Schiff bases derived from natural biomass dehydroabietylamine**



Hui Luo, Yan Sui*, Wen-Hua Lin & Hong-Qin Wu

School of Chemistry and Chemical Engineering, Jinggangshan University, Ji'an Jiangxi 343009, P. R. China

- 252** **A new solid acid catalyst FeCl₃/bentonite for aldol condensation under solvent-free condition** A series of *E*-1-(substituted phenyl)-3-(1-pyrenyl)-2-propen-1-ones have been synthesized using FeCl₃/bentonite under microwave-assisted solvent-free condition.



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