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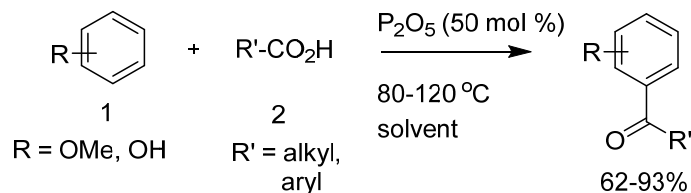
NUMBER 12

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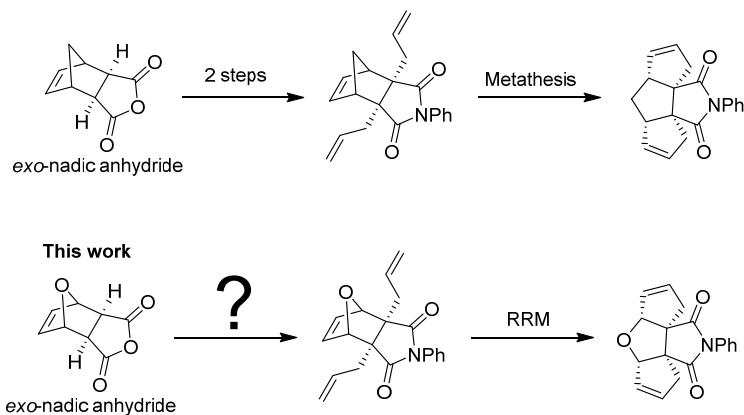
- 1861** **P₂O₅-mediated Friedel-Crafts acylation of *activated* arenes with carboxylic acid as acylating agent** P₂O₅ has been found to be a highly efficient and environmental friendly catalyst for the liquid-phase acylation of *activated* aromatic substrates giving aromatic ketones (45-93%) in a regioselective manner. Both aromatic and aliphatic carboxylic acids can be employed as acylating source. The process is particularly demonstrated at 100 g scale in the case of anisole and acetic acid to produce 4-methoxyacetophenone.



Rupali G Kalshetti, Ram D Mandle, Sanjay P Kamble & Arumugam Sudalai*

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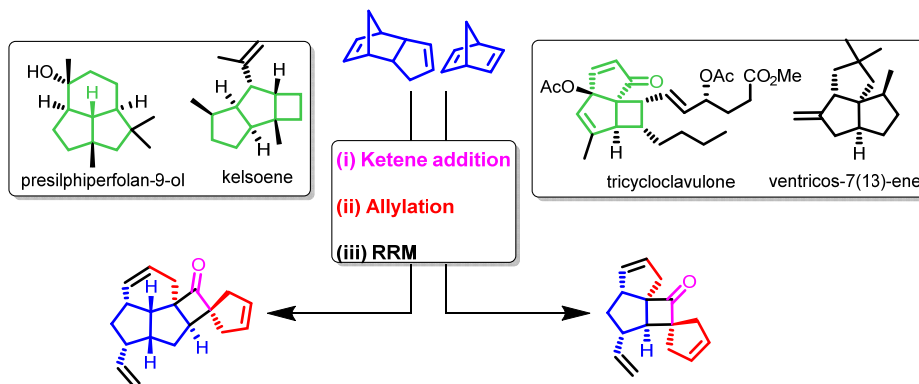
- 1868** **Synthetic approach to oxa-triquinanes *via* olefin metathesis as a key step**



Sambasivarao Kotha* & Sunil Pulletikurti

Department of Chemistry, Indian Institute of Technology Bombay, Mumbai 400 076

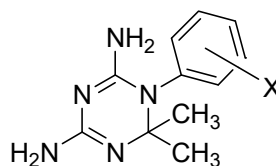
- 1875 Synthesis of spiro-annulated cyclobutane derivatives through ketene [2+2] cycloaddition and ring-rearrangement metathesis



Sambasivarao Kotha* & Sunil Pulletikurti

Department of Chemistry, Indian Institute of Technology Bombay, Mumbai 400 076, India

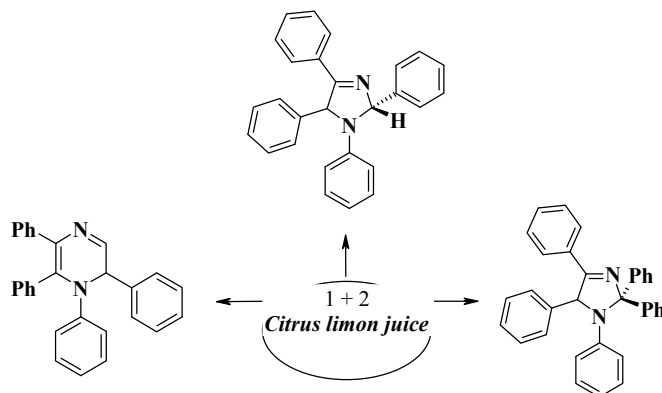
- 1881 QSAR of 1,3,5-triazine compounds towards inhibition of toxoplasmosis utilizing computed molecular descriptors



Tanya & Sisir Nandi*

Department of Pharmaceutical Chemistry, Global Institute of Pharmaceutical Education and Research, Affiliated to Uttarakhand Technical University, Kashipur 244 713, India

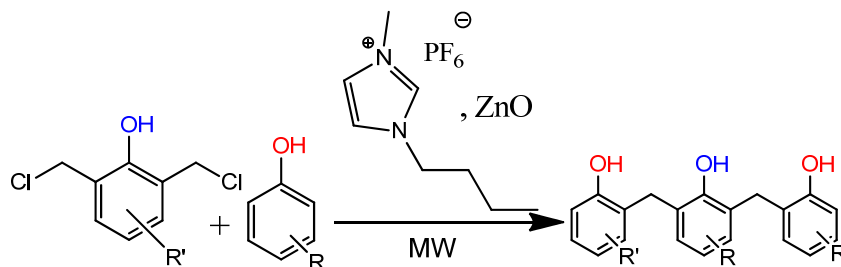
- 1887 Synthesis of pyrazines and imidazoles using lemon juice (*Citrus limon*) as a recyclable catalyst



Pravin Kawle* & Kapil Kamble

Research Laboratory of Chemistry, Shri Radhakisan Laxminarayan Toshniwal College of Science, Akola 444 001, India

- 1893 ZnO in ionic liquid under microwave irradiation: A novel medium for synthesis of phloroglucide derivatives as antimicrobial agents** Microwave-assisted reaction between 4-substituted-2,6-bis(chloromethyl)phenols and various phenol derivatives, in the presence of ZnO in [Bmim]PF₆, affords desired phloroglucides. Antimicrobial activities of the new compounds have been evaluated against different species of gram-positive and gram-negative bacteria as well as fungi.



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