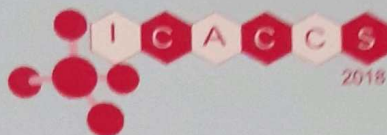




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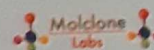
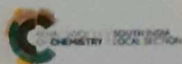
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A facile pseudo four-component diastereoselective synthesis of novel multifunctional thianes

PP 178

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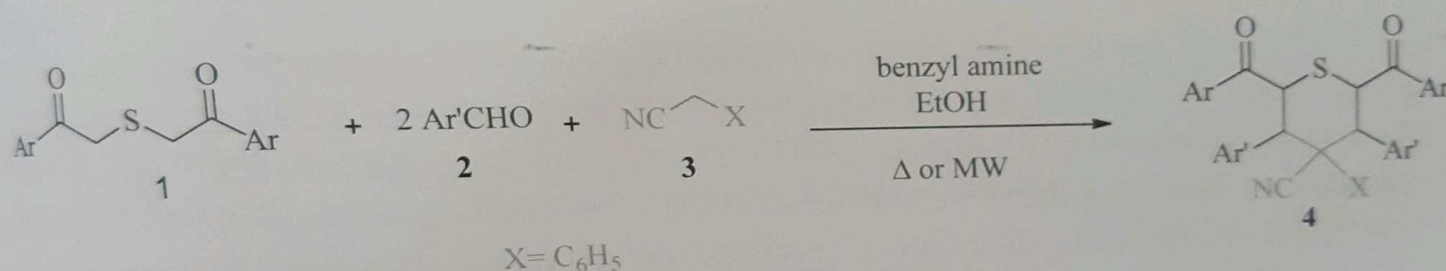
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Abstract:

The thiane ring plays a key role in the biological activities of a number of pharmaceutical agents such as cephalosporins and dithiathromboxane A2. The thiane derivatives display a widerange of pharmacological activities. For instance, they have been used as anti-inflammatory, antihypertensive, antiulcer, antibacterial and antimicrobial agents.

A series of highly functionalized thianes has been synthesized diastereoselectively from the domino reactions of bis(aroylmethyl) sulfides, aromatic aldehydes and benzyl cyanide in the presence of benzylamine in ethanol under both thermal and microwave conditions in good yields via Knoevenegal condensation and double Michael addition.



Keywords: thianes, active methylene compounds, aromatic aldehyde, Michael addition

PP 179

Investigations on the growth and characterization of an organic NLO single crystal 2-Pyridylaminium p-Aminobenzoate (2PPA) for photonic applications

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Abstract

A good single crystal of 2-Pyridylaminium P-Aminobenzoate (2PPA) was grown by slow evaporation technique. Solubility of 2PPA was determined at different temperature using ethanol as solvent. The grown crystals was subjected to single crystal X-ray diffraction analysis in order to reveal its crystal structure and unit cell parameters. The FT-IR spectral analysis was carried out in order to confirm