



One Step Conversion of 1-Substituted 3,4-Dihydroisoquinolines to Oxazino [2,3-a] Isoquinolines using DCC

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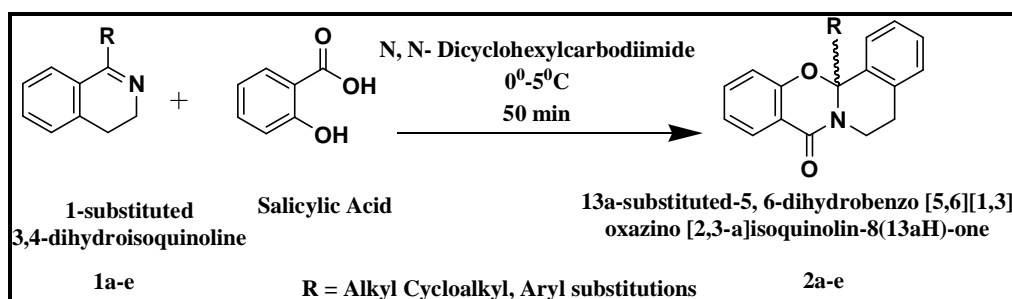
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ABSTRACT

Molecular docking study reveals that oxazino [2,3-a] isoquinolines have potential to show activity against dengue. This encourages us for synthesise of tetracyclic oxazino [2,3-a] isoquinolines derivatives. In present work, we have synthesized titled compound using *N,N*-dicyclohexylcarbodiimide (DCC) at 0°-5°C using tetrahydrofuran as solvent in good yield. All synthesized compounds were characterized by FT-IR, NMR and Mass Spectroscopy.

Graphical Abstract



Synthesis of Oxazino [2,3-a] isoquinoline

Keywords: Dengue, Schiff base, DCC, Tetracyclic compounds.