

# Synthesis of 1, 5-Benzothiazepines Using SnO<sub>2</sub>/SiO<sub>2</sub> Nanocomposite Catalyst

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**Abstract:** SnO<sub>2</sub>/SiO<sub>2</sub> catalyzed synthesis of 1,5-benzothiazepines by the condensation of chalcone and o-aminothiophenol in presence of ethanol as solvent. The synthesis highlights a synthesis and use of SnO<sub>2</sub>/SiO<sub>2</sub> nanocomposite heterogeneous catalyst and its reusability. The method is cost effective and ecofriendly. And use of ethanol as a solvent makes the method more green and efficient. The method has simple workup procedure and the products are obtained in good to moderate yields.

**Keywords:** 1,5-benzothiazepines, chalcone, o-aminothiophenol, SnO<sub>2</sub>/SiO<sub>2</sub> nanocomposite.

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