
An efficient method for the synthesis of bis(naphthalene-2-yl-sulfane) derivatives

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A convenient and an efficient method for the synthesis of (arylmethylene)bis(naphthalene-2-yl-sulfane) derivatives is described. The reaction proceeded via condensation of aldehydes with 2-thionaphthol in the presence of polyvinylpolypyrrolidone-supported P-Toluene Sulfonic acid. These reactions were studied under different conditions. In terms of reaction time and yield, the optimum results were obtained for the synthesis of (arylmethylene)bis(naphthalene-2-yl-sulfane) derivatives in Ethanol under reflux conditions. Clean methodologies, easy workup procedure, high yield and simple preparation of the catalyst are some advantages of this work.

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