

Supporting Information

Preparation of Pt/ γ -Bi₂MoO₆ Photocatalysts and Their Performance in α -Alkylation Reaction under Visible Light Irradiation

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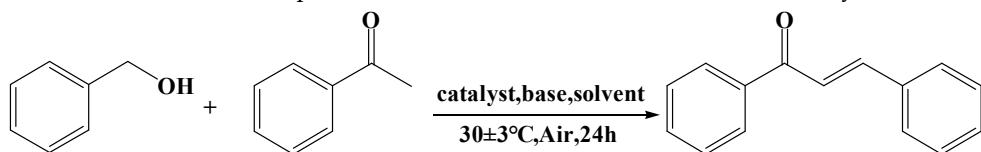
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Analysis of GC-MS:

A mixture of n-heptane (6 mL), benzyl alcohol (3 mmol), acetophenone (1 mmol), a base of NaOH (1.2 mmol), and a catalyst of Bi₂MoO₆ (nitric acid method, pH = 9, 180 °C) (75 mg), under the condition of 400–800 nm filter, air atmosphere for 24 h, a light source intensity of $2.0 \times 10^{-2} \text{ W} \cdot \text{cm}^{-2}$, a reaction temperature of 30 ± 3 °C. The mixture was detected by GC-MS.



Results of GC-MS:

