

A Catalytic Process for Preparation of Thiophene from Furan and Hydrogen Sulfide

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Abstract—Thiophene formation under various conditions from furan and H_2S in the presence of $\gamma\text{-Al}_2\text{O}_3$, both unpromoted and promoted with transition metal oxides, was examined. The conditions enabling preparation of thiophene in a 95–98 mol% yield were determined.

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