

Short Note

1-(2,5-Dimethyl-3-thienyl)-3-(2,4,5-trimethoxyphenyl)prop-2-en-1-one

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Abstract: The title compound, 1-(2,5-dimethyl-3-thienyl)-3-(2,4,5-trimethoxyphenyl)prop-2-en-1-one (**3**) was synthesized in high yield by an aldol condensation reaction of 3-acetyl-2,5-dimethylthiophene and 2,4,5-trimethoxybenzaldehyde in methanolic NaOH at room temperature. Its structure was fully characterized by elemental analysis, IR, ¹H NMR, ¹³C NMR and EI-MS spectral data.

Keywords: chalcone; aldol condensation; 2,4,5-trimethoxybenzaldehyde
