

Short Note

(2E)-1-(2,5-Dimethyl-3-thienyl)-3-(4-nitrophenyl)propenone

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Abstract: The title compound, (2E)-1-(2,5-dimethyl-3-thienyl)3-(4-nitrophenyl)propenone (**3**) was synthesized in high yield by reaction of 3-acetyl-2,5-dimethylthiophene and 4-nitrobenzaldehyde in the presence of sodium hydroxide. The structure of the compound was fully characterized by IR, ¹H NMR, ¹³C NMR, GC-MS spectral analysis and elemental analysis.

Keywords: chalcone; condensation; 4-nitrobenzaldehyde
