

Short Note

(2E)-3-(4-Dimethylaminophenyl)-1-(2,5-dimethylfuran-3-yl)-prop-2-en-1-one

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Abstract: The title compound, (2E)-3-(4-dimethylaminophenyl)-1-(2,5-dimethylfuran-3-yl)-prop-2-en-1-one (**3**) was synthesized in high yield by reaction of 3-acetyl-2,5-dimethylfuran and 4-dimethylaminobenzaldehyde in the presence of 30% NaOH solution. The compound was fully characterized from its IR, ¹H NMR, ¹³C NMR, GC-MS data and elemental analysis.

Keywords: chalcone; condensation; 4-dimethylaminobenzaldehyde