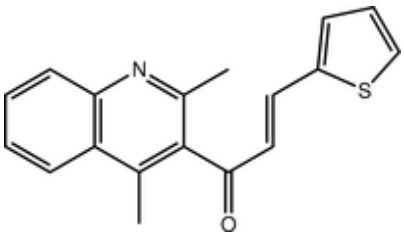

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(2*E*)-1-(2,4-Dimethylquinolin-3-yl)-3-(thiophen-2-yl)prop-2-en-1-one

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Abstract: Two independent but virtually identical molecules comprise the asymmetric unit in the title compound, $C_{18}H_{15}NOS$. With reference to the quinolin-3-yl group, the 3-(thiophen-2-yl)prop-2-en-1-one residue is almost perpendicular, with all but the carbonyl O atom lying to one side of the plane. This conformation is reflected by the C-C-C-C torsion angles of -102.2 (3) and 81.1 (3)° in the two independent molecules. The dihedral angle formed between the 13 non-H atoms directly associated with the quinolin-3-yl group and the thiophen-2-yl ring is 87.70 (11)° [83.85 (10)° for the second independent molecule]. The presence of C-H...O, C-H...N and π-π interactions [centroid-centroid distance = 3.5590 (12) Å] lead to supramolecular chains along the *c*-axis direction. These are connected along the *a*-axis direction by C-H...π interactions. The resultant supramolecular layers stack along the *b* axis.