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(2E)-3-(3,4-Dimethoxyphenyl)-1-(2,5-dimethylthiophen-3-yl)prop-2-en-1-one

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Abstract: The molecule of the title compound, C₁₇H₁₈O₃S, is essentially planar: the phenyl and thiophene rings form a dihedral angle of 2.79 (10)^o and they are inclined to the central propenone unit by 6.20 (15) and 4.78 (15)^o, respectively. In the crystal, molecules are connected into dimers *via* pairs of C-H...O interactions, generating R₂²(14) motifs. π - π stacking interactions between the thiophene rings also occur, with a centroid-centroid distance of 3.8062 (12) Å.