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## organic compounds

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(2E)-1-(2,5-Dimethylthiophen-3-yl)-3-(3-nitrophenyl)prop-2-en-1-one
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#### Abstract

In the title compound, $\mathrm{C}_{15} \mathrm{H}_{13} \mathrm{NO}_{3} \mathrm{~S}$, the benzene ring and the five-membered heterocyclic ring are oriented at a dihedral angle of $12.00(6)^{\circ}$. In the crystal, C-H., ,O interactions generate two types of cyclic motifs, $R_{2}{ }^{2}(14)$ and $R_{2}{ }^{2}(26)$, connecting the molecules into tapes extending along [101]. In addition, there are $\pi-\pi$ stacking interactions between the benzene and thiophene rings with centroid-centroid distances of 3.7263 (14) and 3.7487 (14) $\AA$.


