



Acta Cryst. (2010). E66, o2259-o2260 [doi:10.1107/S1600536810031284]

(E)-1-(2,5-Dimethyl-3-thienyl)-3-(2-hydroxyphenyl)prop-2-en-1-one

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Abstract: In the title compound, C₁₅H₁₄O₂S, the dihedral angle between the aromatic rings is 8.46 (8)°. The central enone group is planar (r.m.s. deviation = 0.0267 Å) and is oriented at a dihedral angle of 1.20 (9)° with respect to the benzene ring and at 8.27 (9)° with respect to the thiophene group. In the crystal, the molecules are linked into polymeric chains extending along the *b* axis due to intermolecular O-H...O hydrogen bonding. An *S*(6) ring motif is formed due to a short intramolecular C-H...O contact. C-H... π interactions involving a methyl group of the 2,5-dimethylthienyl group and the benzene ring are present. π - π interactions between the centroids of the benzene and heterocyclic rings [3.7691 (9) Å] also occur.