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(E)-3-Hydroxy-5,5-dimethyl-2-(3-phenylprop-2-en-1-yl)cyclohex-2-en-1-one

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Abstract: Five of the atoms of the six-membered cyclohexene ring of the title compound, C₁₇H₂₀O₂, are essentially coplanar (r.m.s. deviation = 0.006 Å), with the sixth (the dimethylmethyl C atom) deviating from the mean plane of the five atoms by 0.610 (2) Å. This plane is nearly perpendicular to the cinnamyl portion, the two planes being aligned at 85.1 (1)°. Two molecules are linked by an O-H...O hydrogen bond about a center of inversion. The cyclohexene ring is disordered over two directly overlapping positions. As a result, the hydroxy group and the keto O atom cannot be distinguished from one another.