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(*E*)-3-(2*H*-1,3-Benzodioxol-5-yl)-1-(7-hydroxy-5-methoxy-2,2-dimethylchroman-8-yl)prop-2-en-1-one

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Abstract: The reaction of 5,6-(2,2-dimethylchromane)-2-hydroxy-4-methoxyacetophenone and 3,4-methylenedioxybenzaldehyde affords the title chalcone derivative, C₂₂H₂₂O₆. The two benzene rings are connected through a -C(=O)-CH=CH- (propenone) unit, which is in an *E* conformation; the ring with the hydroxy substituent is aligned at 6.2 (1)° with respect to this unit, whereas the ring with the methylenedioxy substituent is aligned at 8.2 (1)°. The dihedral angle between the rings is 14.32 (7)°. The hydroxy group engages in an intramolecular hydrogen bond with the carbonyl O atom of the propenone unit, generating an *S*(5) ring.