Abstract: The reaction of 5,6-(2,2-dimethylchromanyl)-2-hydroxy-4-methoxyacetophenone and 3,4-bis (methoxymethoxy)benzaldehyde affords the intense orange title chalcone derivative, C_{25}H_{30}O_{8}. 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 19.5 (2)$^\circ$ with respect to this unit, whereas the ring with the methoxymethoxy substituent is aligned at 9.3 (3)$^\circ$. The dihedral angle between the rings is 19.38 (10)$^\circ$. The hydroxy group engages in an intramolecular O-H...O hydrogen bond with the carbonyl O atom of the propenone unit, generating an $S(5)$ ring.