

Dimethyl [3,3,4,4,5,5- hexamethyl-1(E), 2(E)-cyclopentandiylidene]diacetate,
C₁₇H₂₆O₄.

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Streszczenie

To establish the conformation of the diene system of the title compound, its structure was determined by X-ray analysis. The non-planar butadiene fragment is in a gauche conformation [torsion angle 44.8 (9)°]. The methoxycarbonyl groups are fully eclipsed with respect to the single bond in the diene system. The five-membered ring adopts a distorted envelope conformation with the apical C atom at position 3. In the cyclopentane ring, elongations of C-C bonds [1.587 (2) and 1.575 (2) Å] and contractions of C-C-C bond angles [99.9 (2), 104.0 (2), 103.3 (2) °] involving atoms at positions 3, 4 and 5 are observed.

Adres publiczny<https://doi.org/10.1107/S0108270193011837>