

Acta Crystallographica Section E

Structure Reports

Online

ISSN 1600-5368

1-(4-Methoxyphenyl)ethane-1,2-diyl 1,1'-biphenyl-2,2'-dicarboxylate

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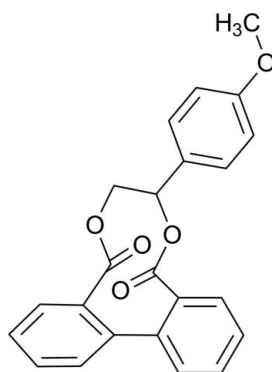
Received 20 April 2012; accepted 25 April 2012

Key indicators: single-crystal X-ray study; $T = 100$ K; mean $\sigma(\text{C}-\text{C}) = 0.001$ Å; R factor = 0.041; wR factor = 0.122; data-to-parameter ratio = 31.7.

In the title molecule, $\text{C}_{23}\text{H}_{18}\text{O}_5$, the methoxy-substituted benzene ring makes dihedral angles of 65.12 (4) and 88.55 (4)° with the other two benzene rings. These two benzene rings form a dihedral angle of 45.70 (4)°. In the crystal, molecules are linked into inversion dimers by pairs of weak $\text{C}-\text{H}\cdots\text{O}$ hydrogen bonds.

Related literature

For the background to this study has been set out in the preceding paper, see: Fun *et al.* (2012). For the stability of the temperature controller used in the data collection, see: Cosier & Glazer (1986). For standard bond-length data, see: Allen *et al.* (1987). For the preparation, see: Wu *et al.* (2012).



Experimental

Crystal data

 $\text{C}_{23}\text{H}_{18}\text{O}_5$ $M_r = 374.37$

Monoclinic, $P2_1/c$
 $a = 14.0049$ (5) Å
 $b = 10.8637$ (4) Å
 $c = 12.7190$ (5) Å
 $\beta = 110.150$ (1)°
 $V = 1816.69$ (12) Å³

$Z = 4$
Mo $K\alpha$ radiation
 $\mu = 0.10$ mm⁻¹
 $T = 100$ K
 $0.50 \times 0.37 \times 0.33$ mm

Data collection

Bruker SMART APEXII DUO
CCD area-detector
diffractometer
Absorption correction: multi-scan
(SADABS; Bruker, 2009)
 $T_{\min} = 0.954$, $T_{\max} = 0.969$

30595 measured reflections
8040 independent reflections
6872 reflections with $I > 2\sigma(I)$
 $R_{\text{int}} = 0.025$

Refinement

$R[F^2 > 2\sigma(F^2)] = 0.041$
 $wR(F^2) = 0.122$
 $S = 1.03$
8040 reflections

254 parameters
H-atom parameters constrained
 $\Delta\rho_{\text{max}} = 0.52$ e Å⁻³
 $\Delta\rho_{\text{min}} = -0.23$ e Å⁻³

Table 1

Hydrogen-bond geometry (Å, °).

$D-\text{H}\cdots A$	$D-\text{H}$	$\text{H}\cdots A$	$D\cdots A$	$D-\text{H}\cdots A$
$\text{C16}-\text{H16A}\cdots\text{O3}^i$	0.98	2.60	3.2676 (10)	126

Symmetry code: (i) $-x + 1, -y + 1, -z$.

Data collection: APEX2 (Bruker, 2009); cell refinement: SAINT (Bruker, 2009); data reduction: SAINT; program(s) used to solve structure: SHELXTL (Sheldrick, 2008); program(s) used to refine structure: SHELXTL; molecular graphics: SHELXTL; software used to prepare material for publication: SHELXTL and PLATON (Spek, 2009).

HKF and CKQ thank Universiti Sains Malaysia for the Research University Grant (No. 1001/PFIZIK/811160). Financial support from the National Natural Science Foundation of China (20972067) is acknowledged.

Supplementary data and figures for this paper are available from the IUCr electronic archives (Reference: IS5123).

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Wu, D., Wang, L., Xu, K., Song, J., Fun, H.-K., Xu, J. & Zhang, Y. (2012). *Chem. Commun.* **48**, 1168–1170.

‡ Thomson Reuters ResearcherID: A-3561-2009.

§ Thomson Reuters ResearcherID: A-5525-2009

supporting information

Acta Cryst. (2012). E68, o1628 [doi:10.1107/S160053681201848X]

1-(4-Methoxyphenyl)ethane-1,2-diyl 1,1'-biphenyl-2,2'-dicarboxylate

Hoong-Kun Fun, Ching Kheng Quah and Dongdong Wu

S1. Comment

The title compound belongs to the biphenyl-containing bislactone family whose preparation could be achieved through a concise photochemical method (Wu *et al.*, 2012). In the title compound, Fig. 1, the methoxy attached phenyl ring (C17–C22) inclines at dihedral angles of 65.12 (4) and 88.55 (4)° with the two benzene rings (C2–C7 and C8–C13), respectively. The two benzene rings form a dihedral angle of 45.70 (4)°. Bond lengths (Allen *et al.*, 1987) and angles are within normal ranges and are comparable to a related structure (Fun *et al.*, 2012). In the crystal (Fig. 2), molecules are linked into inversion dimers by pairs of intermolecular C16—H16A···O3 hydrogen bonds (Table 1).

S2. Experimental

The title compound was the major diastereoisomer of the sequential photoreaction products of 9,10-phenanthrene-1,9-dione with 1-methoxy-4-vinylbenzene. The compound was purified by flash column chromatography with ethyl acetate/petroleum ether (1:9) as eluents. X-ray quality crystals of the title compound were obtained from slow evaporation of an acetone and petroleum ether solution (1:10).

S3. Refinement

All H atoms were positioned geometrically and refined using a riding model with C—H = 0.93–0.98 Å and $U_{\text{iso}}(\text{H}) = 1.2$ or $1.5U_{\text{eq}}(\text{C})$. A rotating-group model was applied for the methyl group.

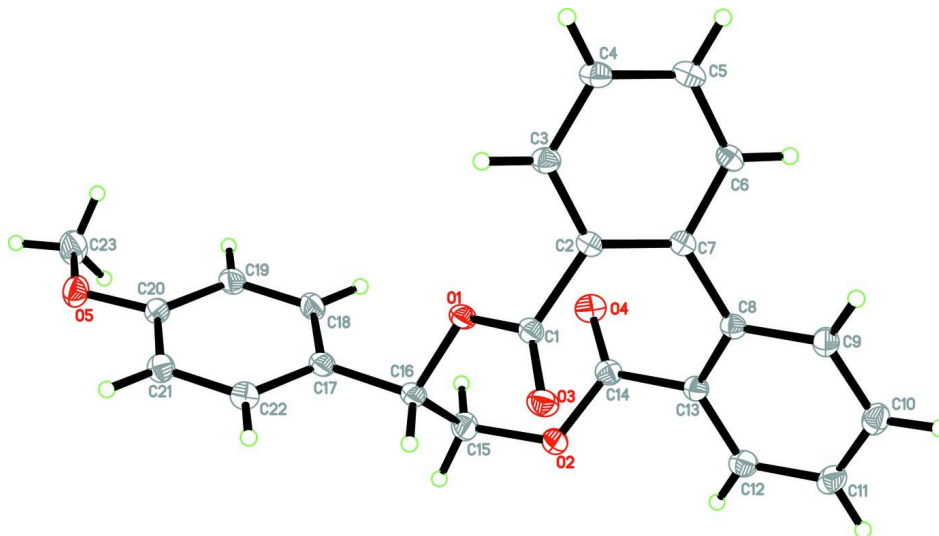


Figure 1

The molecular structure of the title compound, showing 50% probability displacement ellipsoids for non-H atoms.

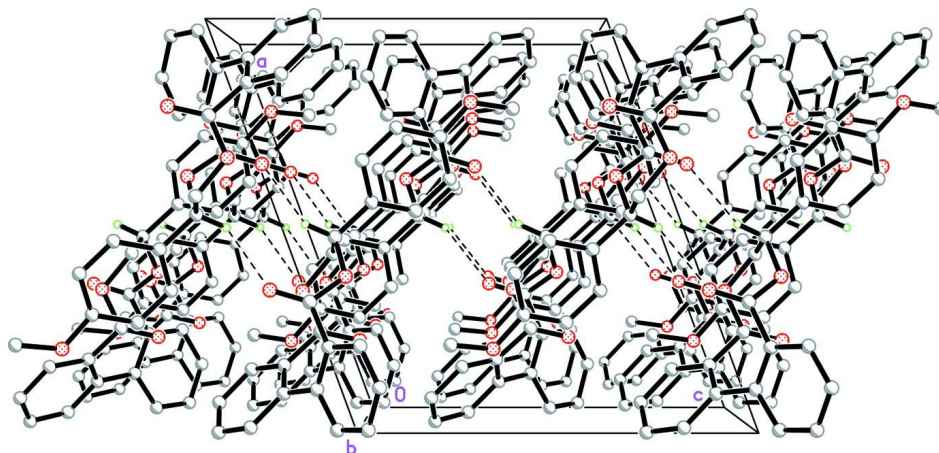


Figure 2

The crystal structure of the title compound, viewed along the *b* axis. H atoms not involved in hydrogen bonds (dashed lines) have been omitted for clarity.

1-(4-Methoxyphenyl)ethane-1,2-diyl 1,1'-biphenyl-2,2'-dicarboxylate

Crystal data

$C_{23}H_{18}O_5$
 $M_r = 374.37$
 Monoclinic, $P2_1/c$
 Hall symbol: -P 2ybc
 $a = 14.0049 (5) \text{ \AA}$
 $b = 10.8637 (4) \text{ \AA}$
 $c = 12.7190 (5) \text{ \AA}$
 $\beta = 110.150 (1)^\circ$
 $V = 1816.69 (12) \text{ \AA}^3$
 $Z = 4$

$F(000) = 784$
 $D_x = 1.369 \text{ Mg m}^{-3}$
 Mo $K\alpha$ radiation, $\lambda = 0.71073 \text{ \AA}$
 Cell parameters from 9888 reflections
 $\theta = 3.3\text{--}35.1^\circ$
 $\mu = 0.10 \text{ mm}^{-1}$
 $T = 100 \text{ K}$
 Block, colourless
 $0.50 \times 0.37 \times 0.33 \text{ mm}$

Data collection

Bruker SMART APEXII DUO CCD area-detector
 diffractometer
 Radiation source: fine-focus sealed tube
 Graphite monochromator
 φ and ω scans
 Absorption correction: multi-scan
 (SADABS; Bruker, 2009)
 $T_{\min} = 0.954$, $T_{\max} = 0.969$

30595 measured reflections
 8040 independent reflections
 6872 reflections with $I > 2\sigma(I)$
 $R_{\text{int}} = 0.025$
 $\theta_{\max} = 35.1^\circ$, $\theta_{\min} = 1.6^\circ$
 $h = -22 \rightarrow 22$
 $k = -17 \rightarrow 16$
 $l = -20 \rightarrow 20$

Refinement

Refinement on F^2
 Least-squares matrix: full
 $R[F^2 > 2\sigma(F^2)] = 0.041$
 $wR(F^2) = 0.122$
 $S = 1.03$
 8040 reflections
 254 parameters
 0 restraints
 Primary atom site location: structure-invariant
 direct methods

Secondary atom site location: difference Fourier
 map
 Hydrogen site location: inferred from
 neighbouring sites
 H-atom parameters constrained
 $w = 1/[\sigma^2(F_o^2) + (0.0706P)^2 + 0.3453P]$
 where $P = (F_o^2 + 2F_c^2)/3$
 $(\Delta/\sigma)_{\max} = 0.001$
 $\Delta\rho_{\max} = 0.52 \text{ e \AA}^{-3}$
 $\Delta\rho_{\min} = -0.23 \text{ e \AA}^{-3}$

Special details

Experimental. The crystal was placed in the cold stream of an Oxford Cryosystems Cobra open-flow nitrogen cryostat (Cosier & Glazer, 1986) operating at 100.0 (1) K.

Geometry. All esds (except the esd in the dihedral angle between two l.s. planes) are estimated using the full covariance matrix. The cell esds are taken into account individually in the estimation of esds in distances, angles and torsion angles; correlations between esds in cell parameters are only used when they are defined by crystal symmetry. An approximate (isotropic) treatment of cell esds is used for estimating esds involving l.s. planes.

Refinement. Refinement of F^2 against ALL reflections. The weighted R-factor wR and goodness of fit S are based on F^2 , conventional R-factors R are based on F , with F set to zero for negative F^2 . The threshold expression of $F^2 > 2\sigma(F^2)$ is used only for calculating R-factors(gt) etc. and is not relevant to the choice of reflections for refinement. R-factors based on F^2 are statistically about twice as large as those based on F , and R-factors based on ALL data will be even larger.

Fractional atomic coordinates and isotropic or equivalent isotropic displacement parameters (\AA^2)

	<i>x</i>	<i>y</i>	<i>z</i>	$U_{\text{iso}}^*/U_{\text{eq}}$
O1	0.38784 (4)	0.55150 (5)	0.14424 (4)	0.01591 (10)
O2	0.35057 (4)	0.34260 (5)	0.01861 (5)	0.01878 (11)
O3	0.35878 (4)	0.61128 (5)	-0.03585 (5)	0.01878 (11)
O4	0.23791 (5)	0.35189 (5)	0.11150 (5)	0.02007 (11)
O5	0.77642 (5)	0.51575 (6)	0.57884 (5)	0.02188 (12)
C1	0.33248 (5)	0.60283 (6)	0.04471 (6)	0.01410 (11)
C2	0.23425 (5)	0.64784 (6)	0.05242 (6)	0.01326 (11)
C3	0.24048 (5)	0.74160 (6)	0.12951 (6)	0.01596 (12)
H3A	0.3038	0.7721	0.1731	0.019*
C4	0.15308 (6)	0.78980 (7)	0.14184 (7)	0.01838 (13)
H4A	0.1576	0.8539	0.1918	0.022*
C5	0.05903 (6)	0.74156 (7)	0.07911 (7)	0.01791 (13)
H5A	0.0002	0.7724	0.0877	0.021*
C6	0.05267 (5)	0.64697 (6)	0.00326 (6)	0.01502 (12)
H6A	-0.0108	0.6148	-0.0377	0.018*
C7	0.13932 (5)	0.59887 (6)	-0.01318 (6)	0.01314 (11)
C8	0.12481 (5)	0.50195 (6)	-0.10053 (6)	0.01377 (11)
C9	0.04937 (5)	0.52047 (7)	-0.20515 (6)	0.01666 (12)
H9A	0.0091	0.5907	-0.2169	0.020*
C10	0.03313 (6)	0.43626 (7)	-0.29216 (6)	0.01981 (13)
H10A	-0.0186	0.4495	-0.3604	0.024*
C11	0.09433 (6)	0.33242 (7)	-0.27690 (7)	0.02003 (13)
H11A	0.0852	0.2775	-0.3356	0.024*
C12	0.16915 (6)	0.31098 (7)	-0.17363 (7)	0.01812 (13)
H12A	0.2103	0.2416	-0.1633	0.022*
C13	0.18276 (5)	0.39331 (6)	-0.08526 (6)	0.01456 (11)
C14	0.25758 (6)	0.36052 (6)	0.02653 (6)	0.01598 (12)
C15	0.43566 (6)	0.34300 (7)	0.12253 (7)	0.02087 (14)
H15A	0.4893	0.2904	0.1161	0.025*
H15B	0.4146	0.3116	0.1825	0.025*
C16	0.47489 (5)	0.47470 (7)	0.14896 (6)	0.01735 (12)
H16A	0.5039	0.5029	0.0932	0.021*
C17	0.55272 (5)	0.48569 (7)	0.26440 (6)	0.01667 (12)

C18	0.53402 (6)	0.43948 (8)	0.35776 (7)	0.02047 (14)
H18A	0.4718	0.4023	0.3484	0.025*
C19	0.60657 (6)	0.44787 (8)	0.46475 (6)	0.01999 (13)
H19A	0.5933	0.4160	0.5262	0.024*
C20	0.69930 (5)	0.50455 (7)	0.47858 (6)	0.01664 (12)
C21	0.71830 (6)	0.55306 (6)	0.38612 (6)	0.01783 (13)
H21A	0.7798	0.5922	0.3957	0.021*
C22	0.64573 (6)	0.54311 (6)	0.28016 (6)	0.01736 (12)
H22A	0.6591	0.5750	0.2188	0.021*
C23	0.76498 (7)	0.45148 (10)	0.67193 (7)	0.02796 (18)
H23A	0.8262	0.4595	0.7357	0.042*
H23B	0.7521	0.3660	0.6533	0.042*
H23C	0.7089	0.4858	0.6892	0.042*

Atomic displacement parameters (Å²)

	U^{11}	U^{22}	U^{33}	U^{12}	U^{13}	U^{23}
O1	0.0142 (2)	0.0186 (2)	0.0154 (2)	0.00415 (17)	0.00568 (17)	0.00102 (17)
O2	0.0156 (2)	0.0204 (2)	0.0190 (2)	0.00381 (18)	0.00424 (18)	-0.00265 (18)
O3	0.0179 (2)	0.0224 (2)	0.0184 (2)	0.00192 (19)	0.00934 (19)	0.00145 (19)
O4	0.0244 (3)	0.0174 (2)	0.0200 (2)	0.00093 (19)	0.0096 (2)	0.00254 (18)
O5	0.0199 (3)	0.0270 (3)	0.0163 (2)	-0.0030 (2)	0.0032 (2)	-0.0001 (2)
C1	0.0129 (3)	0.0133 (2)	0.0162 (3)	0.0003 (2)	0.0052 (2)	-0.0004 (2)
C2	0.0133 (3)	0.0122 (2)	0.0153 (3)	0.00065 (19)	0.0062 (2)	0.00129 (19)
C3	0.0164 (3)	0.0141 (2)	0.0187 (3)	-0.0004 (2)	0.0078 (2)	-0.0016 (2)
C4	0.0202 (3)	0.0152 (3)	0.0227 (3)	0.0006 (2)	0.0112 (3)	-0.0023 (2)
C5	0.0175 (3)	0.0165 (3)	0.0229 (3)	0.0027 (2)	0.0110 (2)	0.0014 (2)
C6	0.0137 (3)	0.0149 (2)	0.0179 (3)	0.0014 (2)	0.0072 (2)	0.0027 (2)
C7	0.0135 (3)	0.0124 (2)	0.0144 (3)	0.00076 (19)	0.0058 (2)	0.00167 (19)
C8	0.0134 (3)	0.0141 (2)	0.0148 (3)	-0.00113 (19)	0.0061 (2)	0.0003 (2)
C9	0.0153 (3)	0.0190 (3)	0.0154 (3)	-0.0012 (2)	0.0049 (2)	0.0015 (2)
C10	0.0185 (3)	0.0242 (3)	0.0160 (3)	-0.0055 (2)	0.0050 (2)	-0.0011 (2)
C11	0.0206 (3)	0.0215 (3)	0.0189 (3)	-0.0072 (2)	0.0080 (3)	-0.0057 (2)
C12	0.0185 (3)	0.0157 (3)	0.0213 (3)	-0.0028 (2)	0.0084 (2)	-0.0038 (2)
C13	0.0143 (3)	0.0137 (2)	0.0163 (3)	-0.0012 (2)	0.0061 (2)	-0.0007 (2)
C14	0.0170 (3)	0.0120 (2)	0.0189 (3)	0.0012 (2)	0.0062 (2)	-0.0005 (2)
C15	0.0183 (3)	0.0196 (3)	0.0211 (3)	0.0057 (2)	0.0022 (3)	-0.0017 (2)
C16	0.0142 (3)	0.0214 (3)	0.0165 (3)	0.0049 (2)	0.0053 (2)	-0.0004 (2)
C17	0.0143 (3)	0.0199 (3)	0.0160 (3)	0.0029 (2)	0.0054 (2)	0.0003 (2)
C18	0.0143 (3)	0.0304 (4)	0.0174 (3)	-0.0009 (3)	0.0065 (2)	0.0002 (3)
C19	0.0170 (3)	0.0284 (3)	0.0159 (3)	-0.0006 (3)	0.0074 (2)	0.0004 (2)
C20	0.0160 (3)	0.0176 (3)	0.0159 (3)	0.0011 (2)	0.0048 (2)	-0.0010 (2)
C21	0.0181 (3)	0.0161 (3)	0.0193 (3)	-0.0016 (2)	0.0065 (2)	0.0001 (2)
C22	0.0188 (3)	0.0163 (3)	0.0176 (3)	0.0010 (2)	0.0071 (2)	0.0018 (2)
C23	0.0225 (4)	0.0423 (5)	0.0169 (3)	-0.0023 (3)	0.0040 (3)	0.0039 (3)

Geometric parameters (Å, °)

O1—C1	1.3558 (9)	C10—H10A	0.9300
O1—C16	1.4613 (9)	C11—C12	1.3890 (11)
O2—C14	1.3543 (9)	C11—H11A	0.9300
O2—C15	1.4429 (9)	C12—C13	1.3971 (10)
O3—C1	1.2058 (9)	C12—H12A	0.9300
O4—C14	1.2073 (9)	C13—C14	1.4901 (10)
O5—C20	1.3633 (9)	C15—C16	1.5281 (11)
O5—C23	1.4303 (11)	C15—H15A	0.9700
C1—C2	1.4948 (9)	C15—H15B	0.9700
C2—C3	1.3955 (10)	C16—C17	1.5019 (10)
C2—C7	1.4080 (9)	C16—H16A	0.9800
C3—C4	1.3891 (10)	C17—C18	1.3946 (11)
C3—H3A	0.9300	C17—C22	1.3950 (10)
C4—C5	1.3864 (11)	C18—C19	1.3928 (11)
C4—H4A	0.9300	C18—H18A	0.9300
C5—C6	1.3913 (10)	C19—C20	1.3925 (11)
C5—H5A	0.9300	C19—H19A	0.9300
C6—C7	1.4016 (9)	C20—C21	1.3954 (11)
C6—H6A	0.9300	C21—C22	1.3846 (10)
C7—C8	1.4928 (10)	C21—H21A	0.9300
C8—C9	1.3995 (10)	C22—H22A	0.9300
C8—C13	1.4074 (10)	C23—H23A	0.9600
C9—C10	1.3929 (11)	C23—H23B	0.9600
C9—H9A	0.9300	C23—H23C	0.9600
C10—C11	1.3893 (12)		
C1—O1—C16	118.28 (6)	C8—C13—C14	120.98 (6)
C14—O2—C15	116.31 (6)	O4—C14—O2	125.25 (7)
C20—O5—C23	116.88 (6)	O4—C14—C13	124.78 (7)
O3—C1—O1	125.52 (6)	O2—C14—C13	109.97 (6)
O3—C1—C2	126.03 (6)	O2—C15—C16	108.98 (6)
O1—C1—C2	108.45 (6)	O2—C15—H15A	109.9
C3—C2—C7	120.66 (6)	C16—C15—H15A	109.9
C3—C2—C1	116.65 (6)	O2—C15—H15B	109.9
C7—C2—C1	122.68 (6)	C16—C15—H15B	109.9
C4—C3—C2	120.67 (7)	H15A—C15—H15B	108.3
C4—C3—H3A	119.7	O1—C16—C17	108.00 (6)
C2—C3—H3A	119.7	O1—C16—C15	107.09 (6)
C5—C4—C3	119.48 (7)	C17—C16—C15	111.98 (6)
C5—C4—H4A	120.3	O1—C16—H16A	109.9
C3—C4—H4A	120.3	C17—C16—H16A	109.9
C4—C5—C6	119.97 (7)	C15—C16—H16A	109.9
C4—C5—H5A	120.0	C18—C17—C22	118.59 (7)
C6—C5—H5A	120.0	C18—C17—C16	121.19 (7)
C5—C6—C7	121.80 (7)	C22—C17—C16	120.22 (7)
C5—C6—H6A	119.1	C19—C18—C17	121.36 (7)

C7—C6—H6A	119.1	C19—C18—H18A	119.3
C6—C7—C2	117.39 (6)	C17—C18—H18A	119.3
C6—C7—C8	118.10 (6)	C20—C19—C18	119.15 (7)
C2—C7—C8	124.49 (6)	C20—C19—H19A	120.4
C9—C8—C13	117.54 (6)	C18—C19—H19A	120.4
C9—C8—C7	118.09 (6)	O5—C20—C19	124.16 (7)
C13—C8—C7	124.37 (6)	O5—C20—C21	115.78 (7)
C10—C9—C8	121.61 (7)	C19—C20—C21	120.06 (7)
C10—C9—H9A	119.2	C22—C21—C20	120.11 (7)
C8—C9—H9A	119.2	C22—C21—H21A	119.9
C11—C10—C9	119.89 (7)	C20—C21—H21A	119.9
C11—C10—H10A	120.1	C21—C22—C17	120.71 (7)
C9—C10—H10A	120.1	C21—C22—H22A	119.6
C12—C11—C10	119.76 (7)	C17—C22—H22A	119.6
C12—C11—H11A	120.1	O5—C23—H23A	109.5
C10—C11—H11A	120.1	O5—C23—H23B	109.5
C11—C12—C13	120.18 (7)	H23A—C23—H23B	109.5
C11—C12—H12A	119.9	O5—C23—H23C	109.5
C13—C12—H12A	119.9	H23A—C23—H23C	109.5
C12—C13—C8	120.90 (6)	H23B—C23—H23C	109.5
C12—C13—C14	118.09 (6)		
C16—O1—C1—O3	-15.26 (10)	C9—C8—C13—C14	-174.01 (6)
C16—O1—C1—C2	165.24 (6)	C7—C8—C13—C14	6.70 (10)
O3—C1—C2—C3	-115.76 (8)	C15—O2—C14—O4	-15.77 (10)
O1—C1—C2—C3	63.74 (8)	C15—O2—C14—C13	163.90 (6)
O3—C1—C2—C7	64.78 (10)	C12—C13—C14—O4	-122.73 (8)
O1—C1—C2—C7	-115.72 (7)	C8—C13—C14—O4	55.03 (10)
C7—C2—C3—C4	-1.00 (10)	C12—C13—C14—O2	57.60 (8)
C1—C2—C3—C4	179.52 (6)	C8—C13—C14—O2	-124.64 (7)
C2—C3—C4—C5	1.90 (11)	C14—O2—C15—C16	-89.13 (8)
C3—C4—C5—C6	-1.03 (11)	C1—O1—C16—C17	149.64 (6)
C4—C5—C6—C7	-0.75 (11)	C1—O1—C16—C15	-89.59 (7)
C5—C6—C7—C2	1.62 (10)	O2—C15—C16—O1	52.88 (8)
C5—C6—C7—C8	-176.89 (6)	O2—C15—C16—C17	171.09 (6)
C3—C2—C7—C6	-0.74 (10)	O1—C16—C17—C18	66.97 (9)
C1—C2—C7—C6	178.70 (6)	C15—C16—C17—C18	-50.70 (9)
C3—C2—C7—C8	177.67 (6)	O1—C16—C17—C22	-112.89 (7)
C1—C2—C7—C8	-2.89 (10)	C15—C16—C17—C22	129.45 (7)
C6—C7—C8—C9	45.82 (9)	C22—C17—C18—C19	-1.10 (12)
C2—C7—C8—C9	-132.57 (7)	C16—C17—C18—C19	179.04 (7)
C6—C7—C8—C13	-134.90 (7)	C17—C18—C19—C20	0.54 (12)
C2—C7—C8—C13	46.71 (10)	C23—O5—C20—C19	8.11 (11)
C13—C8—C9—C10	-1.31 (10)	C23—O5—C20—C21	-171.16 (7)
C7—C8—C9—C10	178.02 (6)	C18—C19—C20—O5	-178.66 (7)
C8—C9—C10—C11	-1.62 (11)	C18—C19—C20—C21	0.58 (12)
C9—C10—C11—C12	2.22 (11)	O5—C20—C21—C22	178.19 (7)
C10—C11—C12—C13	0.14 (11)	C19—C20—C21—C22	-1.11 (11)

C11—C12—C13—C8	-3.16 (11)	C20—C21—C22—C17	0.54 (11)
C11—C12—C13—C14	174.61 (7)	C18—C17—C22—C21	0.55 (11)
C9—C8—C13—C12	3.69 (10)	C16—C17—C22—C21	-179.59 (6)
C7—C8—C13—C12	-175.60 (6)		

Hydrogen-bond geometry (Å, °)

<i>D</i> —H \cdots <i>A</i>	<i>D</i> —H	H \cdots <i>A</i>	<i>D</i> \cdots <i>A</i>	<i>D</i> —H \cdots <i>A</i>
C16—H16 <i>A</i> \cdots O3 ⁱ	0.98	2.60	3.2676 (10)	126

Symmetry code: (i) $-x+1, -y+1, -z$.