

## Crystal structure of 2-{[1-(2-methyl-5-nitro-1*H*-imidazol-1-yl)propan-2-yloxy]-carbonyl}benzoic acid

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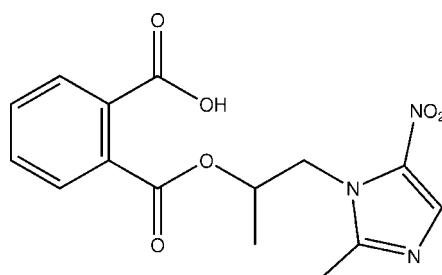
In the title compound,  $C_{15}H_{15}N_3O_6$ , the dihedral angle between the planes of the benzene and imidazole rings is  $34.93(10)^\circ$ . An intramolecular C—H···O hydrogen bond is observed. In the crystal, O—H···N hydrogen bonds link the molecules into chains parallel to the *c* axis.

**Keywords:** crystal structure; nitroimidazoles; O—H···N hydrogen bonds; pharmaceuticals.

**CCDC reference:** 1031694

### 1. Related literature

For the applications and biological activities of nitroimidazole and its derivatives, see: Maeda *et al.* (1953); Larina & Lopyrev (2009); Zhang *et al.* (2014); Gillis & Wiseman (1996). For the crystal structure of related compounds, see: Xiao *et al.* (2008); Shahid *et al.* (2014).



### 2. Experimental

#### 2.1. Crystal data

$C_{15}H_{15}N_3O_6$   
 $M_r = 333.30$   
Monoclinic,  $P2_1/c$   
 $a = 11.189(3)$  Å  
 $b = 6.9489(17)$  Å  
 $c = 19.979(5)$  Å  
 $\beta = 98.056(10)^\circ$   
 $V = 1538.0(6)$  Å<sup>3</sup>  
 $Z = 4$   
Mo  $K\alpha$  radiation  
 $\mu = 0.11$  mm<sup>-1</sup>  
 $T = 296$  K  
 $0.50 \times 0.50 \times 0.38$  mm

#### 2.2. Data collection

Bruker SMART APEX CCD area-detector diffractometer  
Absorption correction: multi-scan (*SADABS*; Bruker, 2000)  
 $T_{\min} = 0.946$ ,  $T_{\max} = 0.958$

20047 measured reflections  
2865 independent reflections  
2515 reflections with  $I > 2\sigma(I)$   
 $R_{\text{int}} = 0.082$

#### 2.3. Refinement

$R[F^2 > 2\sigma(F^2)] = 0.047$   
 $wR(F^2) = 0.119$   
 $S = 1.07$   
2865 reflections  
222 parameters

H atoms treated by a mixture of independent and constrained refinement  
 $\Delta\rho_{\max} = 0.31$  e Å<sup>-3</sup>  
 $\Delta\rho_{\min} = -0.22$  e Å<sup>-3</sup>

**Table 1**  
Hydrogen-bond geometry (Å, °).

$D\cdots H\cdots A$	$D\cdots H$	$H\cdots A$	$D\cdots A$	$D\cdots H\cdots A$
C9—H9A···O5	0.98	2.53	3.115 (3)	118
O1—H1D···N1 <sup>i</sup>	0.96 (3)	1.78 (3)	2.730 (2)	175 (3)

Symmetry code: (i)  $x, -y + \frac{1}{2}, z + \frac{1}{2}$ .

Data collection: *SMART* (Bruker, 2000); cell refinement: *SAINT* (Bruker, 2000); data reduction: *SAINT*; program(s) used to solve structure: *SHELXTL* (Sheldrick 2008); program(s) used to refine structure: *SHELXL2013* (Sheldrick, 2008); molecular graphics: *SHELXTL*; software used to prepare material for publication: *SHELXTL*, *PARST* (Nardelli, 1995) and *PLATON* (Spek, 2009).

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Supporting information for this paper is available from the IUCr electronic archives (Reference: RZ5138).

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# supporting information

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## Crystal structure of 2-{{[1-(2-methyl-5-nitro-1*H*-imidazol-1-yl)propan-2-yl-oxy]carbonyl}benzoic acid}

**Hafiz Abdullah Shahid, Sajid Jahangir, Syed Adnan Ali Shah, Hamizah Mohd Zaki and Humera Naz**

### S1. Comment

Nitroimidazoles are well recognized as antibacterial agents since the early 1950s as azomycin, i.e. 2-nitroimidazole, was discovered (Maeda *et al.*, 1953). The imidazole moiety has a wide range of biological activities such as anticancer, antifungal, antibacterial, antitubercular, antiparasitic, antihistaminic, antineuropathic, antihypertensive, anti-inflammatory, antiobesity, antiviral, antitumor, antihelmintic, antiallergic, antineoplastic, local analgesic, and spasmolytic activities (Larina & Lopyrev, 2009; Zhang *et al.*, 2014). Nowadays, various drugs are available which belongs to the nitroimidazole class such as secnidazole (Flagentyl), metronidazole (Flagyl), ornidazole (Xynor), tinidazole (Fasigyn) and others. Secnidazole is an efficient drug in the treatment of protozoal infections. Secnidazole has been explored for the treatment of amoebiasis, giardiasis, urogenital trichomoniasis and nonspecific bacterial vaginosis (Gillis & Wiseman, 1996).

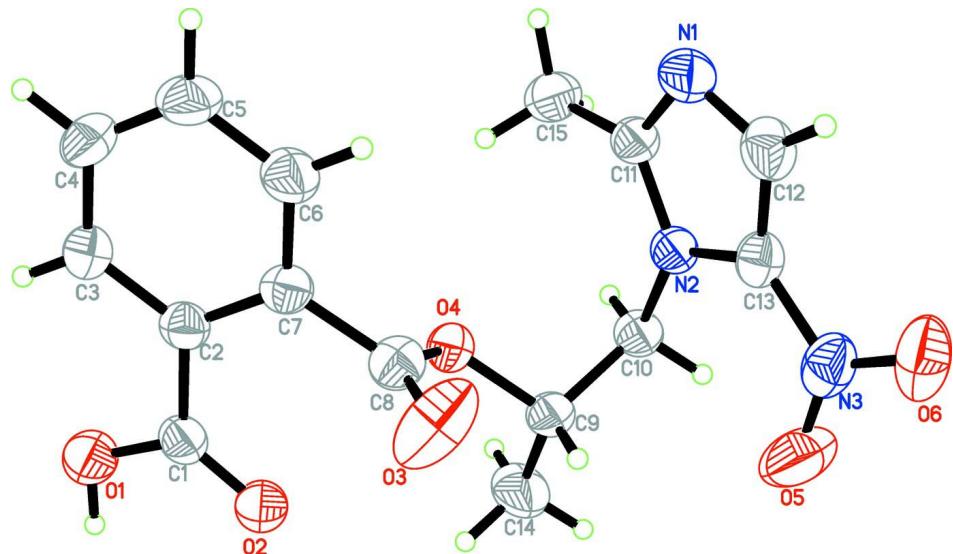
In the title compound (Fig. 1), the mean planes through the benzene (C2–C7) and imidazole (N2/C11/N1/C12/C13) rings form a dihedral angle of 34.93 (10)°. The bond lengths and angles are within the normal ranges and in agreement with those observed in related compounds (Xiao *et al.*, 2008; Shahid *et al.*; 2014). The molecular conformation is stabilized by a non-classical C—H···O hydrogen bond (Table 1). In the crystal, molecules are linked into chains parallel to the *c* axis *via* intermolecular O—H···N hydrogen bonds (Table 1, Fig. 2).

### S2. Experimental

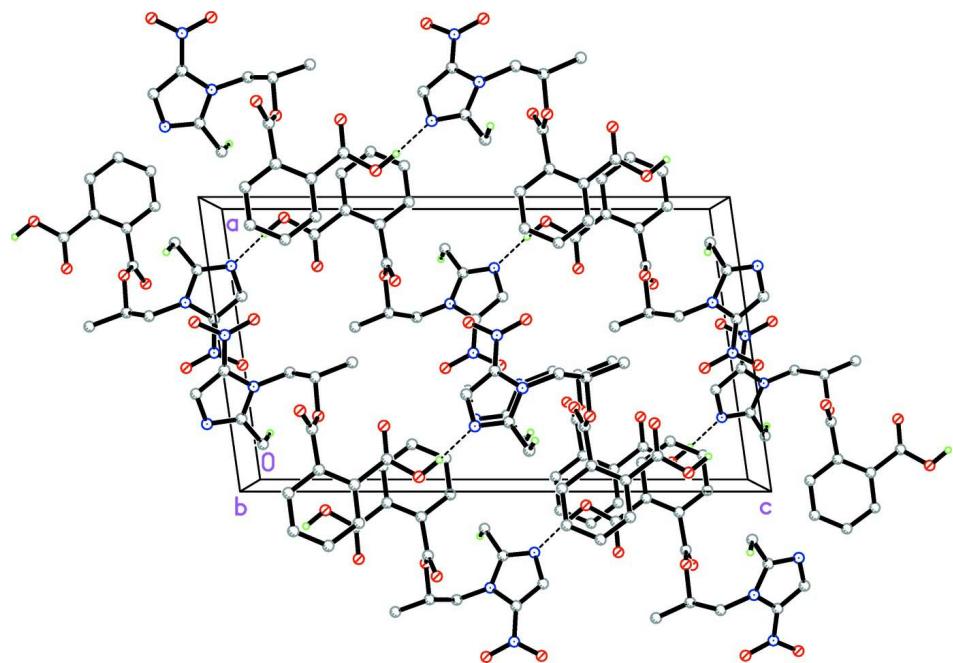
For the synthesis of title compound, 10.8 mmol of secnidazole (2 g) and 10.8 mmol of phthalic anhydride (1.6 g) were dissolved in a mixture of acetone (15 ml) and pyridine (1 ml). The reaction mixture was allowed to reflux for 12 h. After completion of the reaction, the solvent was evaporated under vacuum and the crude product was washed with little amounts of pure water, methanol and toluene to get colourless crystals in 63% yield. M. p.: 461–463 K. <sup>1</sup>H NMR (500 MHz, DMSO-d6): δ 8.044 (s, 1 H, imidazole H), 7.782–7.756 (m, 1 H, Ar H), 7.639–7.595 (m, 2 H, ArH), 7.295–7.263 (m, 1 H, Ar H), 5.397–5.334 (m, 1 H, CH), 4.650–4.421 (m, 2 H, CH<sub>2</sub>), 2.320 (s, 3 H, CH<sub>3</sub>), 1.392–1.379 (d, J=6.5 Hz, 3 H, CH<sub>3</sub>). <sup>13</sup>C NMR (125 MHz, DMSO-d6): δ 167.93 (C—O), 167.60 (C—O), 152.08 (C—N), 139.02 (C—NO<sub>2</sub>), 133.65 (imidazole CH), 132.81, 132.03, 131.72, 131.52, 129.57, 127.83 (aromatic C), 70.70 (O—CH), 49.85 (N—CH<sub>2</sub>), 17.09 and 14.40 (CH<sub>3</sub>).

### S3. Refinement

The hydroxyl H atom was located in a difference Fourier map and refined freely. All other H atoms were placed in calculated positions and refined using a riding model approximation, with C—H = 0.93–0.98 Å and with *U*<sub>iso</sub>(H) = 1.2*U*<sub>eq</sub>(C) or 1.5*U*<sub>eq</sub>(C) for methyl H atoms.

**Figure 1**

The molecular structure of the title compound with displacement ellipsoids drawn at 50% probability level.

**Figure 2**

Crystal packing of the title compound viewed down the *b* axis. Only hydrogen atoms involved in O—H···N hydrogen bonds (dashed lines) are shown.

### 2-{{[1-(2-Methyl-5-nitro-1*H*-imidazol-1-yl)propan-2-yloxy]carbonyl}benzoic acid}

#### Crystal data

$C_{15}H_{15}N_3O_6$   
 $M_r = 333.30$   
Monoclinic,  $P2_1/c$   
 $a = 11.189 (3) \text{ \AA}$

$b = 6.9489 (17) \text{ \AA}$   
 $c = 19.979 (5) \text{ \AA}$   
 $\beta = 98.056 (10)^\circ$   
 $V = 1538.0 (6) \text{ \AA}^3$

$Z = 4$   
 $F(000) = 696$   
 $D_x = 1.439 \text{ Mg m}^{-3}$   
 Melting point = 461–463 K  
 Mo  $K\alpha$  radiation,  $\lambda = 0.71073 \text{ \AA}$   
 Cell parameters from 9799 reflections

$\theta = 3.1\text{--}28.3^\circ$   
 $\mu = 0.11 \text{ mm}^{-1}$   
 $T = 296 \text{ K}$   
 Block, colourless  
 $0.50 \times 0.50 \times 0.38 \text{ mm}$

#### Data collection

Bruker SMART APEX CCD area-detector diffractometer  
 Radiation source: fine-focus sealed tube  
 Graphite monochromator  
 $\varphi$  and  $\omega$  scans  
 Absorption correction: multi-scan (*SADABS*; Bruker, 2000)  
 $T_{\min} = 0.946$ ,  $T_{\max} = 0.958$

20047 measured reflections  
 2865 independent reflections  
 2515 reflections with  $I > 2\sigma(I)$   
 $R_{\text{int}} = 0.082$   
 $\theta_{\max} = 25.5^\circ$ ,  $\theta_{\min} = 3.1^\circ$   
 $h = -13 \rightarrow 13$   
 $k = -8 \rightarrow 8$   
 $l = -24 \rightarrow 24$

#### Refinement

Refinement on  $F^2$   
 Least-squares matrix: full  
 $R[F^2 > 2\sigma(F^2)] = 0.047$   
 $wR(F^2) = 0.119$   
 $S = 1.07$   
 2865 reflections  
 222 parameters  
 0 restraints  
 Primary atom site location: structure-invariant direct methods  
 Secondary atom site location: difference Fourier map

Hydrogen site location: mixed  
 H atoms treated by a mixture of independent and constrained refinement  
 $w = 1/[\sigma^2(F_o^2) + (0.0414P)^2 + 0.8462P]$   
 where  $P = (F_o^2 + 2F_c^2)/3$   
 $(\Delta/\sigma)_{\max} < 0.001$   
 $\Delta\rho_{\max} = 0.31 \text{ e \AA}^{-3}$   
 $\Delta\rho_{\min} = -0.22 \text{ e \AA}^{-3}$   
 Extinction correction: *SHELXL2013* (Sheldrick, 2008),  $Fc^* = kFc[1 + 0.001xFc^2\lambda^3/\sin(2\theta)]^{-1/4}$   
 Extinction coefficient: 0.0086 (17)

#### Special details

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

**Refinement.** Refinement on  $F^2$  for ALL reflections except those flagged by the user for potential systematic errors. Weighted  $R$ -factors  $wR$  and all goodnesses 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 observed criterion of  $F^2 > \sigma(F^2)$  is used only for calculating  $-R$ -factor-obs *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 ( $\text{\AA}^2$ )

	$x$	$y$	$z$	$U_{\text{iso}}^* / U_{\text{eq}}$
O1	0.06727 (13)	0.4222 (2)	0.34680 (7)	0.0516 (4)
O2	0.23305 (12)	0.4311 (2)	0.29641 (7)	0.0545 (4)
O3	0.28516 (14)	0.5351 (2)	0.15189 (11)	0.0768 (6)
O4	0.26149 (10)	0.22096 (17)	0.17394 (6)	0.0375 (3)
O5	0.58254 (14)	0.2723 (3)	0.08232 (9)	0.0720 (5)
O6	0.57286 (14)	0.3388 (2)	-0.02413 (9)	0.0636 (5)
N1	0.23187 (14)	0.1045 (2)	-0.03904 (8)	0.0441 (4)
N2	0.35718 (12)	0.0837 (2)	0.05685 (7)	0.0329 (3)

N3	0.52989 (14)	0.2715 (2)	0.02452 (9)	0.0469 (4)
C1	0.12441 (16)	0.4255 (3)	0.29324 (9)	0.0382 (4)
C2	0.04179 (15)	0.4222 (2)	0.22764 (9)	0.0346 (4)
C3	-0.08314 (16)	0.4269 (3)	0.22600 (10)	0.0429 (4)
H3A	-0.1161	0.4322	0.2662	0.051*
C4	-0.15808 (17)	0.4237 (3)	0.16484 (11)	0.0501 (5)
H4A	-0.2414	0.4246	0.1640	0.060*
C5	-0.10993 (18)	0.4191 (3)	0.10507 (10)	0.0514 (5)
H5A	-0.1608	0.4188	0.0640	0.062*
C6	0.01374 (17)	0.4148 (3)	0.10593 (10)	0.0447 (5)
H6A	0.0458	0.4120	0.0654	0.054*
C7	0.09033 (15)	0.4146 (2)	0.16701 (9)	0.0349 (4)
C8	0.22351 (16)	0.4028 (3)	0.16476 (9)	0.0386 (4)
C9	0.39058 (15)	0.1846 (3)	0.17704 (9)	0.0382 (4)
H9A	0.4320	0.3015	0.1653	0.046*
C10	0.40426 (15)	0.0266 (3)	0.12629 (8)	0.0356 (4)
H10A	0.4890	-0.0063	0.1286	0.043*
H10B	0.3616	-0.0872	0.1382	0.043*
C11	0.24736 (15)	0.0342 (3)	0.02342 (9)	0.0353 (4)
C12	0.33437 (17)	0.2007 (3)	-0.04698 (9)	0.0447 (5)
H12A	0.3487	0.2640	-0.0861	0.054*
C13	0.41269 (15)	0.1901 (3)	0.01123 (9)	0.0364 (4)
C14	0.4392 (2)	0.1213 (4)	0.24794 (10)	0.0598 (6)
H14A	0.4299	0.2239	0.2790	0.090*
H14B	0.5231	0.0895	0.2502	0.090*
H14C	0.3953	0.0104	0.2597	0.090*
C15	0.15837 (17)	-0.0872 (3)	0.05232 (10)	0.0472 (5)
H15A	0.0877	-0.1030	0.0195	0.071*
H15B	0.1366	-0.0263	0.0920	0.071*
H15C	0.1932	-0.2110	0.0641	0.071*
H1D	0.122 (3)	0.417 (4)	0.3880 (16)	0.086 (9)*

Atomic displacement parameters ( $\text{\AA}^2$ )

	$U^{11}$	$U^{22}$	$U^{33}$	$U^{12}$	$U^{13}$	$U^{23}$
O1	0.0439 (7)	0.0761 (10)	0.0338 (7)	0.0032 (7)	0.0023 (6)	-0.0029 (7)
O2	0.0375 (8)	0.0856 (11)	0.0385 (7)	0.0068 (7)	-0.0017 (5)	-0.0163 (7)
O3	0.0471 (9)	0.0618 (10)	0.1214 (16)	0.0013 (8)	0.0111 (9)	0.0439 (10)
O4	0.0314 (6)	0.0397 (7)	0.0410 (7)	0.0046 (5)	0.0036 (5)	-0.0054 (5)
O5	0.0431 (8)	0.0934 (13)	0.0748 (11)	-0.0162 (8)	-0.0079 (8)	0.0043 (10)
O6	0.0605 (9)	0.0540 (9)	0.0847 (12)	-0.0030 (7)	0.0398 (9)	-0.0002 (8)
N1	0.0427 (9)	0.0556 (10)	0.0325 (8)	0.0053 (7)	0.0001 (6)	0.0022 (7)
N2	0.0314 (7)	0.0358 (7)	0.0310 (7)	0.0046 (6)	0.0019 (5)	-0.0011 (6)
N3	0.0384 (9)	0.0403 (9)	0.0641 (11)	0.0026 (7)	0.0148 (8)	-0.0033 (8)
C1	0.0386 (10)	0.0386 (9)	0.0361 (9)	0.0061 (7)	0.0011 (7)	-0.0065 (7)
C2	0.0361 (9)	0.0308 (8)	0.0354 (9)	0.0042 (7)	-0.0001 (7)	-0.0030 (7)
C3	0.0366 (9)	0.0469 (11)	0.0448 (10)	0.0057 (8)	0.0047 (8)	-0.0063 (8)
C4	0.0311 (9)	0.0573 (12)	0.0591 (12)	0.0067 (9)	-0.0037 (8)	-0.0077 (10)

C5	0.0462 (11)	0.0580 (12)	0.0445 (11)	0.0091 (9)	-0.0133 (8)	-0.0067 (9)
C6	0.0462 (11)	0.0503 (11)	0.0356 (9)	0.0089 (9)	-0.0011 (8)	-0.0017 (8)
C7	0.0356 (9)	0.0305 (8)	0.0368 (9)	0.0043 (7)	-0.0014 (7)	-0.0005 (7)
C8	0.0390 (10)	0.0418 (10)	0.0338 (9)	0.0023 (8)	0.0013 (7)	0.0070 (7)
C9	0.0296 (9)	0.0463 (10)	0.0367 (9)	0.0053 (7)	-0.0021 (7)	-0.0069 (8)
C10	0.0334 (9)	0.0404 (9)	0.0312 (9)	0.0086 (7)	-0.0021 (7)	0.0013 (7)
C11	0.0323 (8)	0.0395 (9)	0.0331 (9)	0.0058 (7)	0.0007 (7)	-0.0038 (7)
C12	0.0480 (11)	0.0508 (11)	0.0365 (10)	0.0058 (9)	0.0102 (8)	0.0077 (8)
C13	0.0343 (9)	0.0355 (9)	0.0404 (9)	0.0035 (7)	0.0093 (7)	-0.0001 (7)
C14	0.0537 (12)	0.0858 (17)	0.0354 (10)	0.0165 (12)	-0.0089 (9)	-0.0103 (10)
C15	0.0399 (10)	0.0554 (12)	0.0451 (10)	-0.0058 (9)	0.0013 (8)	0.0002 (9)

*Geometric parameters (Å, °)*

O1—C1	1.321 (2)	C4—H4A	0.9300
O1—H1D	0.96 (3)	C5—C6	1.382 (3)
O2—C1	1.209 (2)	C5—H5A	0.9300
O3—C8	1.199 (2)	C6—C7	1.389 (2)
O4—C8	1.337 (2)	C6—H6A	0.9300
O4—C9	1.459 (2)	C7—C8	1.499 (2)
O5—N3	1.221 (2)	C9—C14	1.510 (3)
O6—N3	1.235 (2)	C9—C10	1.517 (2)
N1—C11	1.329 (2)	C9—H9A	0.9800
N1—C12	1.356 (3)	C10—H10A	0.9700
N2—C11	1.358 (2)	C10—H10B	0.9700
N2—C13	1.386 (2)	C11—C15	1.482 (3)
N2—C10	1.468 (2)	C12—C13	1.356 (3)
N3—C13	1.418 (2)	C12—H12A	0.9300
C1—C2	1.494 (2)	C14—H14A	0.9600
C2—C3	1.394 (2)	C14—H14B	0.9600
C2—C7	1.396 (3)	C14—H14C	0.9600
C3—C4	1.382 (3)	C15—H15A	0.9600
C3—H3A	0.9300	C15—H15B	0.9600
C4—C5	1.377 (3)	C15—H15C	0.9600
C1—O1—H1D	111.9 (17)	O4—C9—C14	108.32 (15)
C8—O4—C9	117.58 (14)	O4—C9—C10	106.80 (13)
C11—N1—C12	106.87 (15)	C14—C9—C10	111.08 (16)
C11—N2—C13	105.64 (14)	O4—C9—H9A	110.2
C11—N2—C10	125.19 (15)	C14—C9—H9A	110.2
C13—N2—C10	129.14 (14)	C10—C9—H9A	110.2
O5—N3—O6	123.59 (18)	N2—C10—C9	112.30 (14)
O5—N3—C13	119.33 (17)	N2—C10—H10A	109.1
O6—N3—C13	117.08 (18)	C9—C10—H10A	109.1
O2—C1—O1	123.72 (16)	N2—C10—H10B	109.1
O2—C1—C2	122.70 (16)	C9—C10—H10B	109.1
O1—C1—C2	113.58 (15)	H10A—C10—H10B	107.9
C3—C2—C7	119.43 (16)	N1—C11—N2	111.01 (16)

C3—C2—C1	121.00 (16)	N1—C11—C15	124.67 (16)
C7—C2—C1	119.57 (15)	N2—C11—C15	124.30 (16)
C4—C3—C2	120.16 (18)	N1—C12—C13	109.17 (16)
C4—C3—H3A	119.9	N1—C12—H12A	125.4
C2—C3—H3A	119.9	C13—C12—H12A	125.4
C5—C4—C3	120.29 (18)	C12—C13—N2	107.31 (15)
C5—C4—H4A	119.9	C12—C13—N3	127.45 (17)
C3—C4—H4A	119.9	N2—C13—N3	125.24 (16)
C4—C5—C6	120.17 (18)	C9—C14—H14A	109.5
C4—C5—H5A	119.9	C9—C14—H14B	109.5
C6—C5—H5A	119.9	H14A—C14—H14B	109.5
C5—C6—C7	120.27 (18)	C9—C14—H14C	109.5
C5—C6—H6A	119.9	H14A—C14—H14C	109.5
C7—C6—H6A	119.9	H14B—C14—H14C	109.5
C6—C7—C2	119.67 (16)	C11—C15—H15A	109.5
C6—C7—C8	117.84 (16)	C11—C15—H15B	109.5
C2—C7—C8	122.49 (15)	H15A—C15—H15B	109.5
O3—C8—O4	124.94 (17)	C11—C15—H15C	109.5
O3—C8—C7	124.65 (17)	H15A—C15—H15C	109.5
O4—C8—C7	110.22 (15)	H15B—C15—H15C	109.5
O2—C1—C2—C3	-176.28 (18)	C8—O4—C9—C10	-127.65 (16)
O1—C1—C2—C3	3.6 (2)	C11—N2—C10—C9	-99.49 (19)
O2—C1—C2—C7	3.6 (3)	C13—N2—C10—C9	82.8 (2)
O1—C1—C2—C7	-176.53 (16)	O4—C9—C10—N2	61.80 (19)
C7—C2—C3—C4	0.1 (3)	C14—C9—C10—N2	179.71 (16)
C1—C2—C3—C4	-179.99 (17)	C12—N1—C11—N2	0.6 (2)
C2—C3—C4—C5	-1.1 (3)	C12—N1—C11—C15	-177.69 (17)
C3—C4—C5—C6	0.9 (3)	C13—N2—C11—N1	-0.60 (19)
C4—C5—C6—C7	0.2 (3)	C10—N2—C11—N1	-178.73 (15)
C5—C6—C7—C2	-1.1 (3)	C13—N2—C11—C15	177.73 (17)
C5—C6—C7—C8	177.87 (18)	C10—N2—C11—C15	-0.4 (3)
C3—C2—C7—C6	1.0 (3)	C11—N1—C12—C13	-0.4 (2)
C1—C2—C7—C6	-178.91 (16)	N1—C12—C13—N2	0.0 (2)
C3—C2—C7—C8	-177.98 (16)	N1—C12—C13—N3	-179.84 (17)
C1—C2—C7—C8	2.1 (3)	C11—N2—C13—C12	0.33 (19)
C9—O4—C8—O3	8.2 (3)	C10—N2—C13—C12	178.35 (16)
C9—O4—C8—C7	-176.63 (13)	C11—N2—C13—N3	-179.79 (16)
C6—C7—C8—O3	77.9 (3)	C10—N2—C13—N3	-1.8 (3)
C2—C7—C8—O3	-103.1 (2)	O5—N3—C13—C12	169.8 (2)
C6—C7—C8—O4	-97.27 (19)	O6—N3—C13—C12	-10.0 (3)
C2—C7—C8—O4	81.7 (2)	O5—N3—C13—N2	-10.1 (3)
C8—O4—C9—C14	112.64 (19)	O6—N3—C13—N2	170.11 (16)

*Hydrogen-bond geometry (Å, °)*

D—H···A	D—H	H···A	D···A	D—H···A
C9—H9A···O5	0.98	2.53	3.115 (3)	118

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O1—H1D···N1 <sup>i</sup>	0.96 (3)	1.78 (3)	2.730 (2)	175 (3)
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Symmetry code: (i)  $x, -y+1/2, z+1/2$ .