

Retraction of articles by T. Liu *et al.*T. Liu,^{a*} Y.-X. Wang,^b Z.-W. Wang,^a Z.-P. Xie^{a,c} and J. Y. Zhu^d

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A series of 29 papers by Liu *et al.* are retracted.

As a result of problems with the data sets and incorrect atom assignments, 29 papers by Liu *et al.* are retracted. Full details of all the articles are given in Table 1.

Table 1

Details of articles to be retracted, in order of publication.

Title	Reference	DOI	Refcode
<i>Tetrakis(pyrazine-κN)bis(thiocyanato-κN)manganese(II)</i>	Liu & Xie (2007a)	10.1107/S1600536807026852	EDUMAS
<i>(Dihydroxyglyoxime-κ²N,N')bis(1,10-phenanthroline-κ²N,N')copper(II) dinitrate dihydrate</i>	Liu, Wang, Wang & Xie (2007b)	10.1107/S1600536807028255	EDUVAB
<i>Tetrakis(pyrazine-κN)bis(thiocyanato-κN)zinc(II)</i>	Liu & Xie (2007b)	10.1107/S1600536807028735	RIGQAA
<i>Tetrakis(μ-2-pyridyloxyacetato)bis[(1,10-phenanthroline)(2-pyridyloxyacetato)-lanthanum(III)]</i>	Liu, Wang, Wang & Xie (2007c)	10.1107/S1600536807030917	UDUMIQ
<i>Polymeric KNOF₂</i>	Liu Wang, Wang & Xie (2007a)	10.1107/S1600536807027195	ICSD 240891
<i>(Dihydroxyglyoxime-κ²N,N')bis(1,10-phenanthroline-κ²N,N')cobalt(II) dinitrate dihydrate</i>	Liu, Wang, Wang & Xie (2007d)	10.1107/S1600536807031224	WIHJED
<i>Tetrakis(μ-2-pyridyloxyacetato)bis[(1,10-phenanthroline)(2-pyridyloxyacetato)-praseodymium(III)]</i>	Liu, Wang, Wang & Xie (2007e)	10.1107/S1600536807032679	WIHQEK
<i>Tetrakis[μ-(2-pyridyloxy)acetato-κ²O:O']bis[(1,10-phenanthroline-κ²N,N')-(2-pyridyloxy)acetato-κO]neodymium(III)]</i>	Liu, Wang, Wang & Xie (2007f)	10.1107/S1600536807035349	TIGDAP
<i>(Dihydroxyglyoxime-κ²N,N')bis(1,10-phenanthroline-κ²N,N')manganese(II) dinitrate dihydrate</i>	Liu, Wang, Wang & Xie (2007g)	10.1107/S1600536807035076	TIGDET
<i>2-Amino-3,5-dinitrobenzoic acid-ammonia (1/1)</i>	Liu & Zhu (2007j)	10.1107/S1600536807040068	KIKQAX
<i>2-Hydroxy-3,5-dinitrobenzamide monohydrate</i>	Liu & Zhu (2007k)	10.1107/S1600536807039712	KIKQEB
<i>2-(1-Hydroxy-2-pyridyl)acetamide monohydrate</i>	Liu & Zhu (2007l)	10.1107/S1600536807040652	CIKQOD
<i>Bis(2,2'-bipyridine-κN,N')bis(thiocyanato-κN)iron(II)</i>	Liu & Zhu (2007a)	10.1107/S1600536807043486	XIFXOA
<i>catena-Poly[hexakis(μ₂-anilinoacetamide)bis(1,10-phenanthroline)disamarium(III)]</i>	Liu & Zhu (2007b)	10.1107/S1600536807045485	XILNAI
<i>3-Hydroxy-2,4,6-trinitropyridine monohydrate</i>	Liu & Zhu (2007m)	10.1107/S1600536807045230	PILNOO
<i>catena-Poly[hexakis(μ₂-anilinoacetamide)bis(1,10-phenanthroline)-dipraseodymium(III)]</i>	Liu & Zhu (2007c)	10.1107/S1600536807047733	SILZET
<i>catena-Poly[[tetra-μ-anilinoacetamidato-bis(1,10-phenanthroline)dicerium(III)]-di-μ-anilinoacetamidato]</i>	Liu & Zhu (2007d)	10.1107/S1600536807050969	GIMZOS
<i>Tetrakis(pyridine-κN)bis(thiocyanato-κN)chromium(II)</i>	Liu & Zhu (2007e)	10.1107/S1600536807051756	WINFAB
<i>2-Ammonio-3-carboxy-5-nitrobenzoate monohydrate</i>	Liu & Zhu (2007n)	10.1107/S1600536807048477	GINFEP
<i>2-(Benzoylhydrazinocarbonyl)benzoic acid</i>	Liu & Zhu (2007o)	10.1107/S160053680705204X	TINZIA
<i>Tetrakis(pyridine-κN)bis(thiocyanato-κN)vanadium(II)</i>	Liu & Zhu (2007f)	10.1107/S1600536807054529	HIPZIQ
<i>catena-Poly[[nitrate-κO](1,10-phenanthroline-κ²N,N')nickel(II)]-μ-acetamido-κ²O:N]</i>	Liu & Zhu (2007g)	10.1107/S1600536807056504	XIRGIP
<i>catena-Poly[[nitrate-κO](1,10-phenanthroline-κ²N,N')copper(II)]-μ-acetamido-κ²O:N]</i>	Liu & Zhu (2007h)	10.1107/S1600536807059077	HIQROP
<i>catena-Poly[[nitrate-κO](1,10-phenanthroline-κ²N,N')cobalt(II)]-μ-acetamidato-κ²O:N]</i>	Liu & Zhu (2007i)	10.1107/S1600536807060631	YIQMER
<i>N'-Benzoyl-4-nitronicotinohydrazide</i>	Liu & Zhu (2007p)	10.1107/S1600536807053068	CIPVON
<i>N'-(3-Nitro-4-pyridylcarbonyl)pyridine-4-carbohydrazide</i>	Liu & Zhu (2007q)	10.1107/S1600536807054876	RIRWEV

Table 1 (continued)

Title	Reference	DOI	Refcode
<i>Ethylenediammonium sulfate</i>	Liu & Zhu (2007r)	10.1107/S1600536807056280	ETDAMS03
<i>Ethylenediammonium perchlorate</i>	Liu & Zhu (2007s)	10.1107/S1600536807059909	HIRYEN
<i>catena-Poly[[[nitrate-κO](1,10-phenanthroline-κ²N,N')manganese(II)]-μ-nitrate-κ²O:O']</i>	Liu & Zhu (2008)	10.1107/S160053680706254X	MIRROV

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2-Hydroxy-3,5-dinitrobenzamide monohydrate

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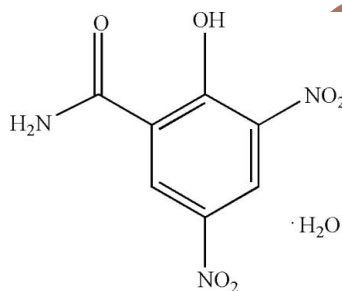
Received 9 August 2007; accepted 10 August 2007

Key indicators: single-crystal X-ray study; $T = 273$ K; mean $\sigma(\text{C}-\text{C}) = 0.003$ Å; R factor = 0.047; wR factor = 0.143; data-to-parameter ratio = 11.1.

In the crystal structure of the title compound, $\text{C}_7\text{H}_5\text{N}_3\text{O}_6 \cdot \text{H}_2\text{O}$, $\text{O}-\text{H} \cdots \text{O}$ and $\text{N}-\text{H} \cdots \text{O}$ hydrogen bonds result in the formation of a supramolecular network structure.

Related literature

For related literature, see: Allen *et al.* (1987); Braga *et al.* (1998); Braga & Grepioni (2000); Desiraju (1995, 1997); Ma *et al.* (2001); Moulton & Zaworotko (2001); Pan *et al.* (2001); Prior & Rosseinsky (2001); Zaworotko (1997).



Experimental

Crystal data

$\text{C}_7\text{H}_5\text{N}_3\text{O}_6 \cdot \text{H}_2\text{O}$
 $M_r = 245.16$
 Monoclinic, $C2/c$
 $a = 25.4442$ (14) Å
 $b = 6.663$ (3) Å
 $c = 12.486$ (2) Å
 $\beta = 111.882$ (7)°

$V = 1964.2$ (9) Å³
 $Z = 8$
 Mo $K\alpha$ radiation
 $\mu = 0.15$ mm⁻¹
 $T = 273$ (2) K
 $0.24 \times 0.15 \times 0.14$ mm

Data collection

Bruker APEXII area-detector diffractometer
 Absorption correction: multi-scan (SADABS; Sheldrick, 1996)
 $T_{\min} = 0.965$, $T_{\max} = 0.979$

6123 measured reflections
 1891 independent reflections
 979 reflections with $I > 2\sigma(I)$
 $R_{\text{int}} = 0.030$

Refinement

$R[F^2 > 2\sigma(F^2)] = 0.047$
 $wR(F^2) = 0.143$
 $S = 1.02$
 1891 reflections
 171 parameters
 9 restraints

H atoms treated by a mixture of independent and constrained refinement

$\Delta\rho_{\max} = 0.22$ e Å⁻³
 $\Delta\rho_{\min} = -0.25$ e Å⁻³

Table 1

Hydrogen-bond geometry (Å, °).

$D-\text{H} \cdots A$	$D-\text{H}$	$\text{H} \cdots A$	$D \cdots A$	$D-\text{H} \cdots A$
$\text{O7}-\text{H7B} \cdots \text{O4}^{\text{i}}$	0.851 (18)	2.03 (2)	2.869 (3)	168 (3)
$\text{O7}-\text{H7A} \cdots \text{O3}^{\text{ii}}$	0.85 (3)	2.55 (4)	3.301 (3)	149 (3)
$\text{O7}-\text{H7A} \cdots \text{O1}^{\text{ii}}$	0.85 (3)	2.26 (2)	2.986 (3)	144 (3)
$\text{N3}-\text{H3A} \cdots \text{O7}^{\text{iii}}$	0.787 (13)	1.840 (14)	2.625 (3)	175 (3)
$\text{O1}-\text{H1} \cdots \text{O2}^{\text{iv}}$	0.82	2.27	2.900 (3)	134
$\text{O1}-\text{H1} \cdots \text{O2}$	0.82	1.86	2.575 (2)	146

Symmetry codes: (i) $x + \frac{1}{2}, y + \frac{1}{2}, z - \frac{1}{2}$; (ii) $-x + 1, y, -z + \frac{1}{2}$; (iii) $x, y, z + 1$; (iv) $-x + 1, y, -z + \frac{1}{2}$.

Data collection: APEX2 (Bruker, 2005); cell refinement: SAINT (Siemens, 1996); data reduction: SAINT; program(s) used to solve structure: SHELXS97 (Sheldrick, 1997); program(s) used to refine structure: SHELXL97 (Sheldrick, 1997); molecular graphics: SHELXTL (Siemens, 1996); software used to prepare material for publication: SHELXTL.

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Supplementary data and figures for this paper are available from the IUCr electronic archives (Reference: AT2370).

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supplementary materials

Article retracted

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2-Hydroxy-3,5-dinitrobenzamide monohydrate

T. Liu and J. Y. Zhu

Comment

In the synthesis of crystal structures by design, the assembly of molecular units in predefined arrangements is a key goal (Desiraju, 1995, 1997; Braga *et al.*, 1998). Due to hydrogen-bonding interactions are of critical importance in biological systems, organic materials and coordination chemistry. Hydrogen-bonding is currently the best tools in achieving this goal. (Zaworotko, 1997; Braga & Grepioni, 2000). Supramolecular architectures are of considerable contemporary interest by virtue of their potential applications in various fields. (Moulton & Zaworotko, 2001; Pan *et al.*, 2001; Ma *et al.*, 2001; Prior & Rosseinsky, 2001). We originally attempted to synthesize complexes featuring La metal chains by reaction of the lanthanum(III) ion with 2-hydroxy-3,5-dinitrobenzamide ligand. Unfortunately, we obtained only the title compound, (I), (Fig. 1).

In the title molecule (I), all bond lengths and angles are within normal ranges (Allen *et al.*, 1987). In the title complex (I), contains one 2-hydroxy-3,5-dinitrobenzamide molecule and one uncoordinated water molecule. The uncoordinated water molecule interacts with nearby nitro, hydroxy and amino groups of the 2-hydroxy-3,5-dinitrobenzamide ligands by way of O—H \cdots O and N—H \cdots O hydrogen bonds, forming a supramolecular network structure (Fig. 2 and Table 1).

Experimental

Crystals of the title compound (I) were synthesized using hydrothermal method in a 23 ml Teflon-lined Parr bomb, which was then sealed. Lanthanum (III) nitrate hexahydrate (216.4 mg, 0.5 mmol), 2-hydroxy-3,5-dinitrobenzamide (227.2 mg, 1 mmol) and distilled water (5 g) were placed into the bomb and sealed. The bomb was then heated under autogenous pressure up to 443 K over the course of 7 d and allowed to cool at room temperature for 24 h. Upon opening the bomb, a clear colourless solution was decanted from small colourless crystals. These crystals were washed with distilled water followed by ethanol, and allowed to air-dry at room temperature.

Refinement

The H atoms of the water molecule and the amino group were located from difference Fourier syntheses and refined with restraints to the O—H distances and the H—O—H angles. The remaining H atoms were positioned geometrically, with O—H = 0.82 Å for the water H atoms and C—H = 0.93 Å for aromatic H atoms, and constrained to ride on their parent atoms, with $U_{\text{iso}}(\text{H}) = xU_{\text{eq}}(\text{C}, \text{O})$, where $x = 1.2$ for aromatic H atoms and $x = 1.5$ for the water H atoms.

Figures

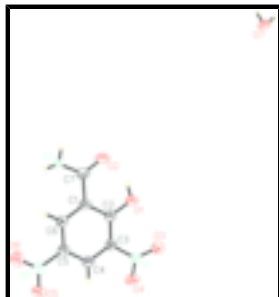


Fig. 1. The structure of the title molecule (I), with the atom-numbering scheme. Displacement ellipsoids are drawn at the 30% probability level.

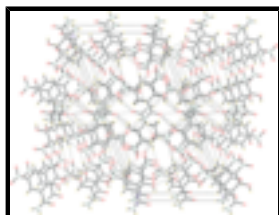


Fig. 2. A view of the packing diagram of the title compound (I). Hydrogen bonds are shown as dashed lines.

2-Hydroxy-3,5-dinitrobenzamide monohydrate

Crystal data

$C_7H_5N_3O_6 \cdot H_2O$

$M_r = 245.16$

Monoclinic, $C2/c$

Hall symbol: $-C 2yc$

$a = 25.4442 (14) \text{ \AA}$

$b = 6.663 (3) \text{ \AA}$

$c = 12.486 (2) \text{ \AA}$

$\beta = 111.882 (7)^\circ$

$V = 1964.2 (9) \text{ \AA}^3$

$Z = 8$

$F_{000} = 1008$

$D_x = 1.658 \text{ Mg m}^{-3}$

Mo $K\alpha$ radiation

$\lambda = 0.71073 \text{ \AA}$

Cell parameters from 1511 reflections

$\theta = 3.1\text{--}26.8^\circ$

$\mu = 0.15 \text{ mm}^{-1}$

$T = 273 (2) \text{ K}$

Prism, colourless

$0.24 \times 0.15 \times 0.14 \text{ mm}$

Data collection

Bruker APEXII area-detector diffractometer

Radiation source: fine-focus sealed tube

Monochromator: graphite

$T = 273(2) \text{ K}$

φ and ω scans

Absorption correction: multi-scan (SADABS; Sheldrick, 1996)

$T_{\min} = 0.965$, $T_{\max} = 0.979$

6123 measured reflections

1891 independent reflections

979 reflections with $I > 2\sigma(I)$

$R_{\text{int}} = 0.030$

$\theta_{\text{max}} = 26.0^\circ$

$\theta_{\text{min}} = 3.2^\circ$

$h = -31 \rightarrow 31$

$k = -8 \rightarrow 8$

$l = -15 \rightarrow 15$

Refinement

Refinement on F^2	Secondary atom site location: difference Fourier map
Least-squares matrix: full	Hydrogen site location: inferred from neighbouring sites
$R[F^2 > 2\sigma(F^2)] = 0.047$	H atoms treated by a mixture of independent and constrained refinement
$wR(F^2) = 0.143$	$w = 1/[\sigma^2(F_o^2) + (0.0754P)^2 + 0.002P]$
$S = 1.02$	where $P = (F_o^2 + 2F_c^2)/3$
1891 reflections	$(\Delta/\sigma)_{\max} < 0.001$
171 parameters	$\Delta\rho_{\max} = 0.22 \text{ e } \text{\AA}^{-3}$
9 restraints	$\Delta\rho_{\min} = -0.25 \text{ e } \text{\AA}^{-3}$
Primary atom site location: structure-invariant direct methods	Extinction correction: none

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 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)

	x	y	z	$U_{\text{iso}}^*/U_{\text{eq}}$
O1	0.40219 (7)	0.2100 (3)	0.72887 (14)	0.0733 (6)
H1	0.4363	0.2238	0.7445	0.110*
O2	0.50775 (8)	0.2170 (4)	0.86062 (17)	0.1046 (9)
O3	0.29250 (7)	0.1318 (3)	0.63098 (15)	0.0808 (6)
O4	0.24220 (7)	0.3057 (3)	0.70399 (16)	0.0788 (6)
O5	0.30605 (8)	0.3711 (3)	1.11219 (16)	0.0851 (7)
O6	0.39244 (10)	0.3009 (4)	1.21820 (18)	0.0977 (8)
O7	0.63147 (8)	0.2289 (3)	0.0270 (2)	0.0747 (6)
N1	0.28690 (9)	0.2263 (3)	0.70936 (18)	0.0609 (6)
N2	0.35423 (10)	0.3195 (3)	1.12494 (19)	0.0648 (6)
N3	0.53256 (8)	0.2535 (3)	1.04702 (17)	0.0518 (5)
C1	0.43553 (9)	0.2454 (4)	0.9348 (2)	0.0540 (6)
C2	0.39114 (10)	0.2307 (4)	0.8245 (2)	0.0538 (6)
C3	0.33530 (10)	0.2444 (4)	0.8195 (2)	0.0521 (6)
C4	0.32289 (10)	0.2747 (4)	0.91675 (19)	0.0534 (6)
H5	0.2856	0.2884	0.9113	0.064*

supplementary materials

C5	0.36667 (10)	0.2842 (4)	1.0214 (2)	0.0534 (6)
C6	0.42273 (10)	0.2690 (4)	1.0317 (2)	0.0549 (6)
H7	0.4516	0.2749	1.1042	0.0666*
C7	0.49510 (11)	0.2384 (4)	0.9443 (2)	0.0635 (7)
H3A	0.5613 (8)	0.242 (4)	1.038 (2)	0.076 (9)*
H7A	0.6382 (15)	0.218 (6)	−0.0344 (16)	0.153 (18)*
H7B	0.6661 (4)	0.224 (6)	0.072 (2)	0.161 (19)*
H3B	0.536 (2)	0.223 (9)	1.114 (2)	0.13 (4)*

Atomic displacement parameters (\AA^2)

	U^{11}	U^{22}	U^{33}	U^{12}	U^{13}	U^{23}
O1	0.0388 (10)	0.1292 (17)	0.0523 (11)	0.0006 (10)	0.0174 (8)	−0.0027 (10)
O2	0.0408 (11)	0.213 (3)	0.0625 (14)	0.0029 (12)	0.0218 (10)	0.0000 (13)
O3	0.0550 (11)	0.1232 (17)	0.0598 (11)	−0.0076 (11)	0.0163 (9)	−0.0159 (11)
O4	0.0354 (11)	0.1272 (17)	0.0682 (12)	0.0107 (10)	0.0127 (9)	0.0074 (11)
O5	0.0597 (13)	0.1248 (17)	0.0806 (13)	0.0052 (12)	0.0376 (11)	−0.0096 (12)
O6	0.0746 (16)	0.159 (2)	0.0555 (13)	0.0147 (13)	0.0196 (12)	−0.0044 (13)
O7	0.0418 (11)	0.1017 (16)	0.0737 (13)	0.0016 (10)	0.0136 (10)	0.0045 (11)
N1	0.0395 (13)	0.0892 (17)	0.0517 (13)	−0.0033 (11)	0.0145 (10)	0.0049 (11)
N2	0.0549 (15)	0.0851 (17)	0.0576 (14)	−0.0006 (12)	0.0246 (13)	−0.0045 (11)
N3	0.0216 (10)	0.0865 (16)	0.0402 (12)	−0.0005 (10)	0.0034 (9)	−0.0003 (9)
C1	0.0365 (14)	0.0718 (17)	0.0510 (15)	−0.0003 (11)	0.0133 (12)	0.0012 (12)
C2	0.0412 (14)	0.0726 (17)	0.0489 (14)	0.0017 (12)	0.0183 (12)	0.0004 (11)
C3	0.0395 (14)	0.0650 (16)	0.0476 (14)	−0.0005 (11)	0.0112 (11)	0.0044 (11)
C4	0.0404 (14)	0.0650 (16)	0.0559 (15)	0.0011 (11)	0.0192 (12)	0.0045 (11)
C5	0.0476 (15)	0.0633 (16)	0.0518 (14)	0.0025 (11)	0.0212 (12)	0.0001 (11)
C6	0.0404 (13)	0.0707 (17)	0.0493 (14)	−0.0014 (11)	0.0117 (11)	−0.0008 (11)
C7	0.0450 (15)	0.087 (2)	0.0602 (17)	−0.0008 (13)	0.0212 (14)	0.0051 (13)

Geometric parameters (\AA , $^\circ$)

O1—C2	1.331 (3)	N3—H3A	0.787 (13)
O2—C7	1.211 (3)	N3—H3B	0.83 (3)
O3—N1	1.216 (3)	C1—C6	1.374 (3)
O4—N1	1.233 (3)	C1—C2	1.422 (3)
O5—N2	1.225 (3)	C1—C7	1.476 (3)
O6—N2	1.214 (3)	C2—C3	1.402 (3)
N1—C3	1.470 (3)	C3—C4	1.378 (3)
N2—C5	1.461 (3)	C4—C5	1.366 (3)
N3—C7	1.285 (3)	C4—H5	0.9300
O1—H1	0.8200	C5—C6	1.387 (3)
O7—H7A	0.85 (3)	C6—H7	0.9300
O7—H7B	0.851 (18)		
O2—C7—N3	122.2 (2)	C2—C1—C7	119.8 (2)
O2—C7—C1	122.0 (2)	O1—C2—C3	121.1 (2)
N3—C7—C1	115.8 (2)	O1—C2—C1	121.2 (2)
O3—N1—O4	124.1 (2)	C3—C2—C1	117.7 (2)

O3—N1—C3	119.2 (2)	C4—C3—C2	122.1 (2)
O4—N1—C3	116.7 (2)	C4—C3—N1	116.7 (2)
O5—N2—O6	123.9 (2)	C2—C3—N1	121.2 (2)
O5—N2—C5	117.8 (2)	C5—C4—C3	118.4 (2)
O6—N2—C5	118.2 (2)	C5—C4—H5	120.8
C2—O1—H1	109.5	C3—C4—H5	120.8
H7A—O7—H7B	95 (3)	C4—C5—C6	122.0 (2)
C7—N3—H3A	103 (2)	C4—C5—N2	119.0 (2)
C7—N3—H3B	138 (4)	C6—C5—N2	118.9 (2)
H3A—N3—H3B	112 (3)	C1—C6—C5	119.9 (2)
C6—C1—C2	119.8 (2)	C1—C6—H7	120.0
C6—C1—C7	120.4 (2)	C5—C6—H7	120.0

Hydrogen-bond geometry (Å, °)

<i>D</i> —H... <i>A</i>	<i>D</i> —H	H... <i>A</i>	<i>D</i> ... <i>A</i>	<i>D</i> —H... <i>A</i>
O7—H7B...O4 ⁱ	0.851 (18)	2.03 (2)	2.869 (3)	168 (3)
O7—H7A...O3 ⁱⁱ	0.85 (3)	2.55 (4)	3.301 (3)	149 (3)
O7—H7A...O1 ⁱⁱ	0.85 (3)	2.26 (2)	2.986 (3)	144 (3)
N3—H3A...O7 ⁱⁱⁱ	0.787 (13)	1.840 (14)	2.625 (3)	175 (3)
O1—H1...O2 ^{iv}	0.82	2.27	2.900 (3)	134
O1—H1...O2	0.82	1.86	2.575 (2)	146

Symmetry codes: (i) $x+1/2, -y+1/2, z-1/2$; (ii) $-x+1, y, -z+1/2$; (iii) $x, y, z+1$; (iv) $-x+1, y, -z+3/2$.

Article retracted

Fig. 1

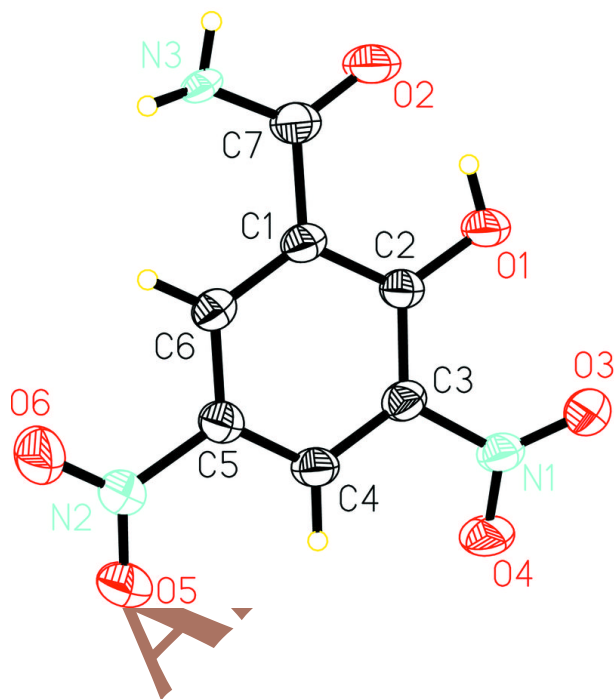
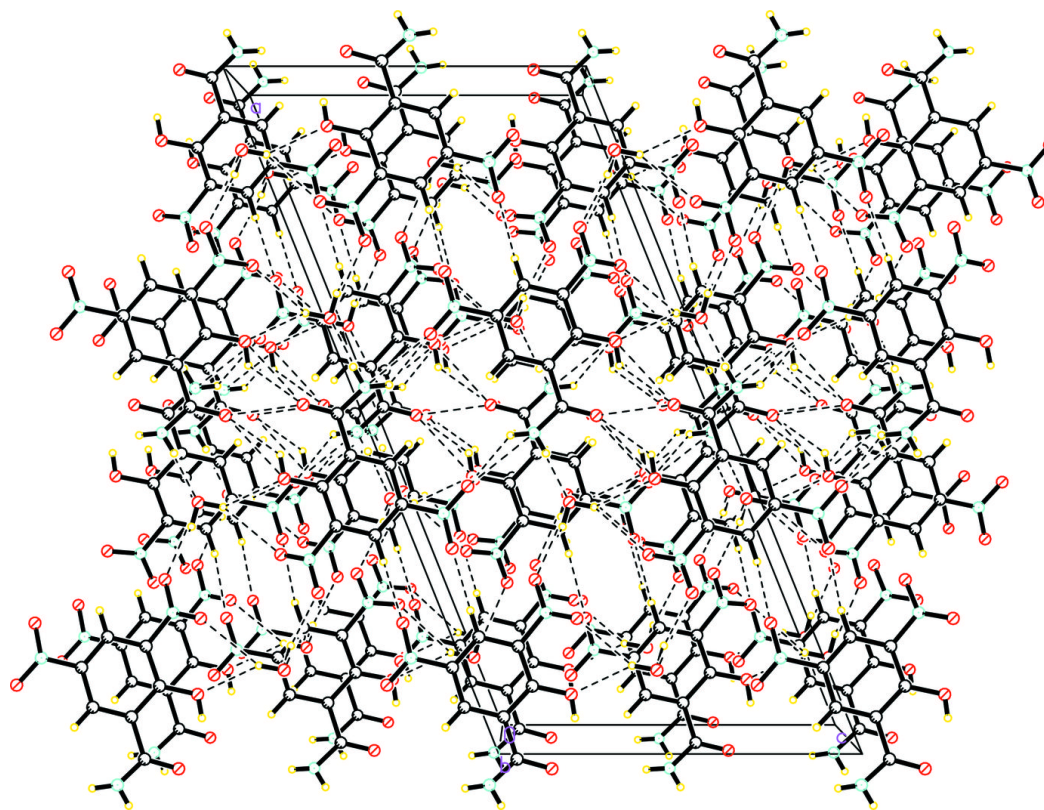


Fig. 2



Article 1