SUPPLEMENTARY MATERIALS

N,N'-Dibutyloxamide

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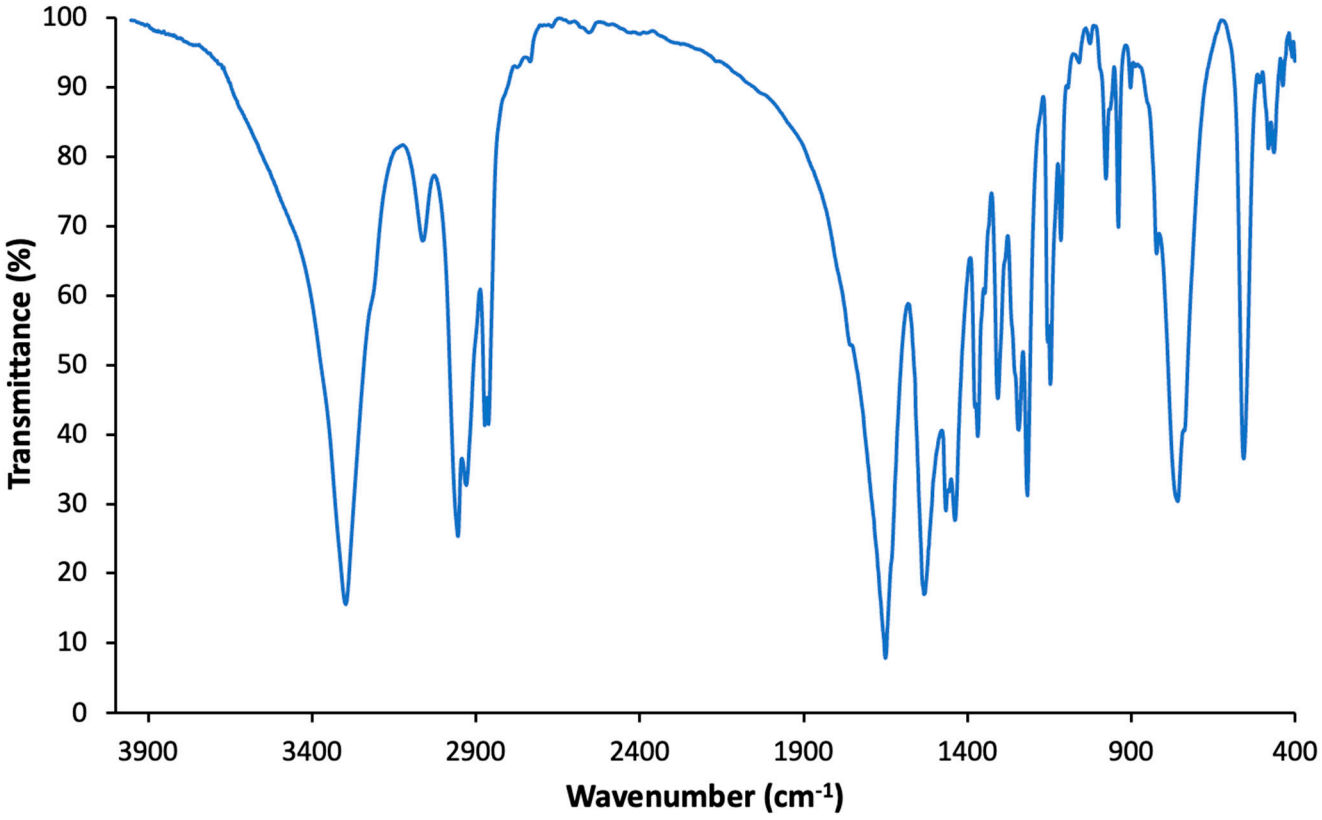

Figure S1. FT-IR spectrum of compound **1** (KBr pellet).

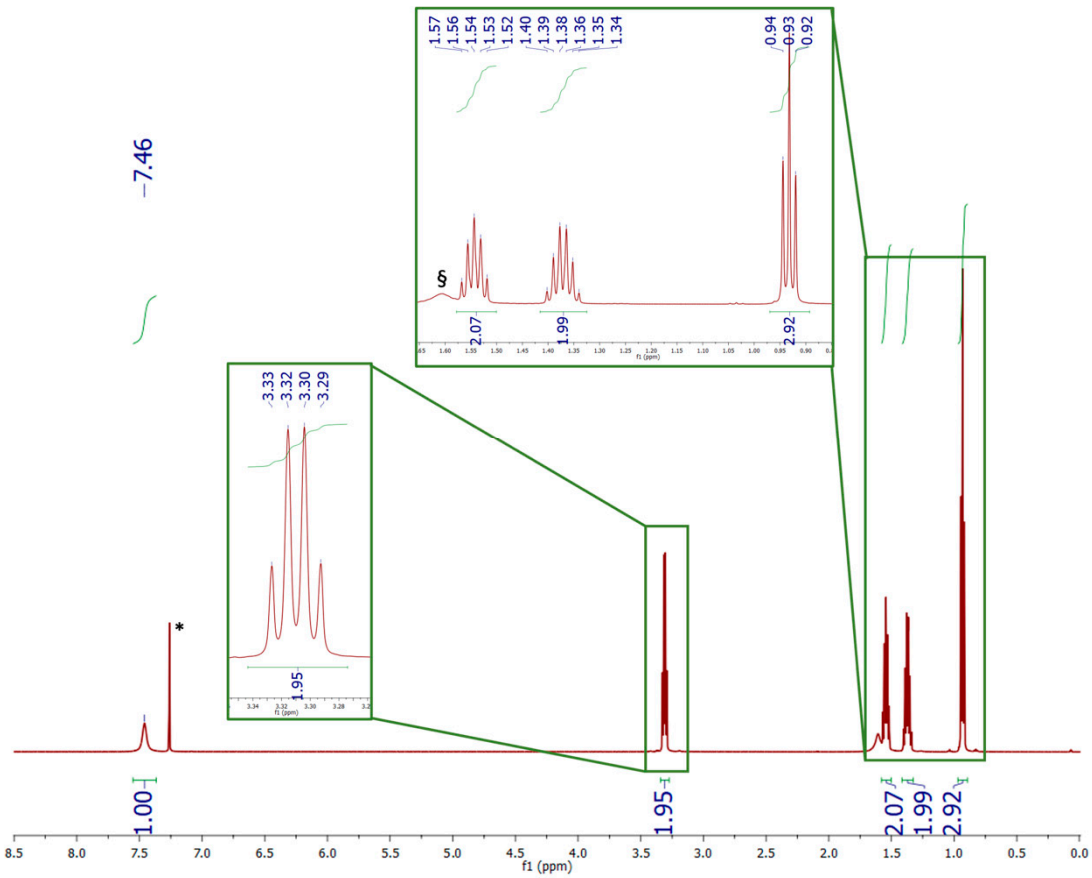

Figure S2. ^{1}H-NMR spectrum for compound **1** (600 MHz, $CDCl_3$); the peaks marked with an asterisk correspond to the solvent residual signal (*) and water (§).

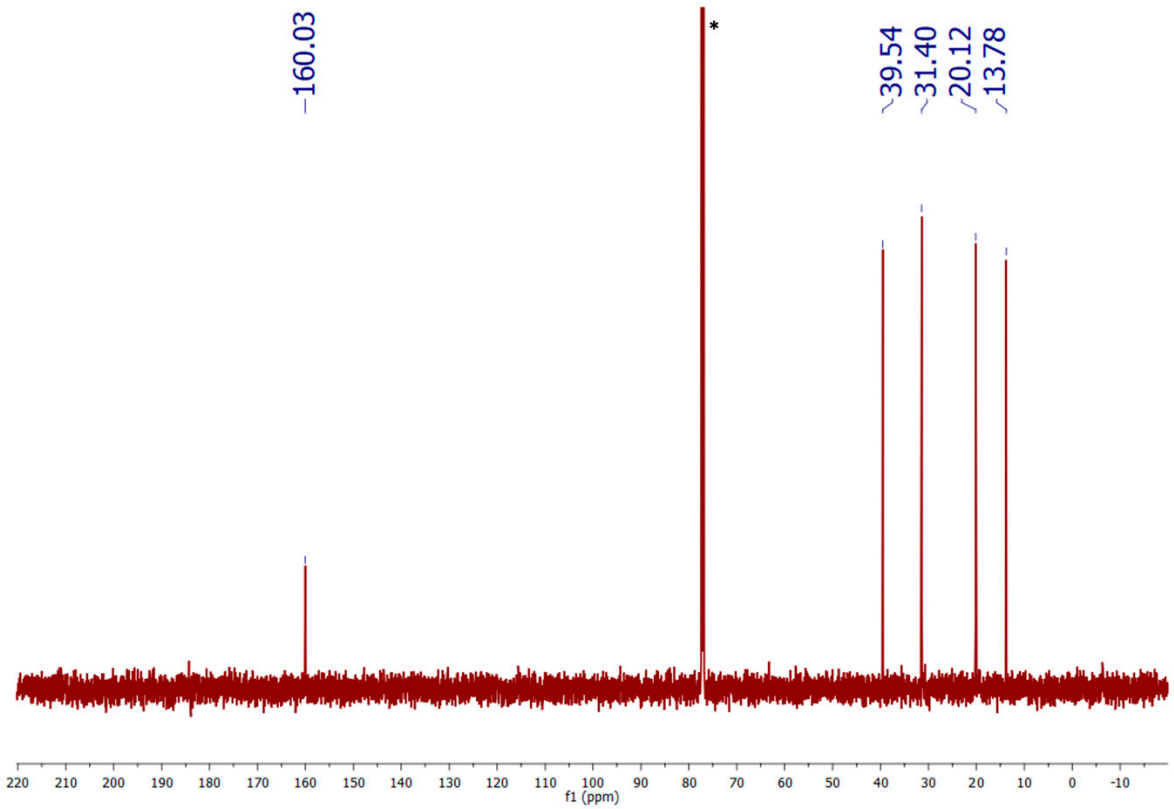

Figure S3. $^{13}C\{^{1}H\}$-NMR spectrum for compound **1** (151 MHz, $CDCl_3$); the peak marked with an asterisk corresponds to the solvent residual signal.

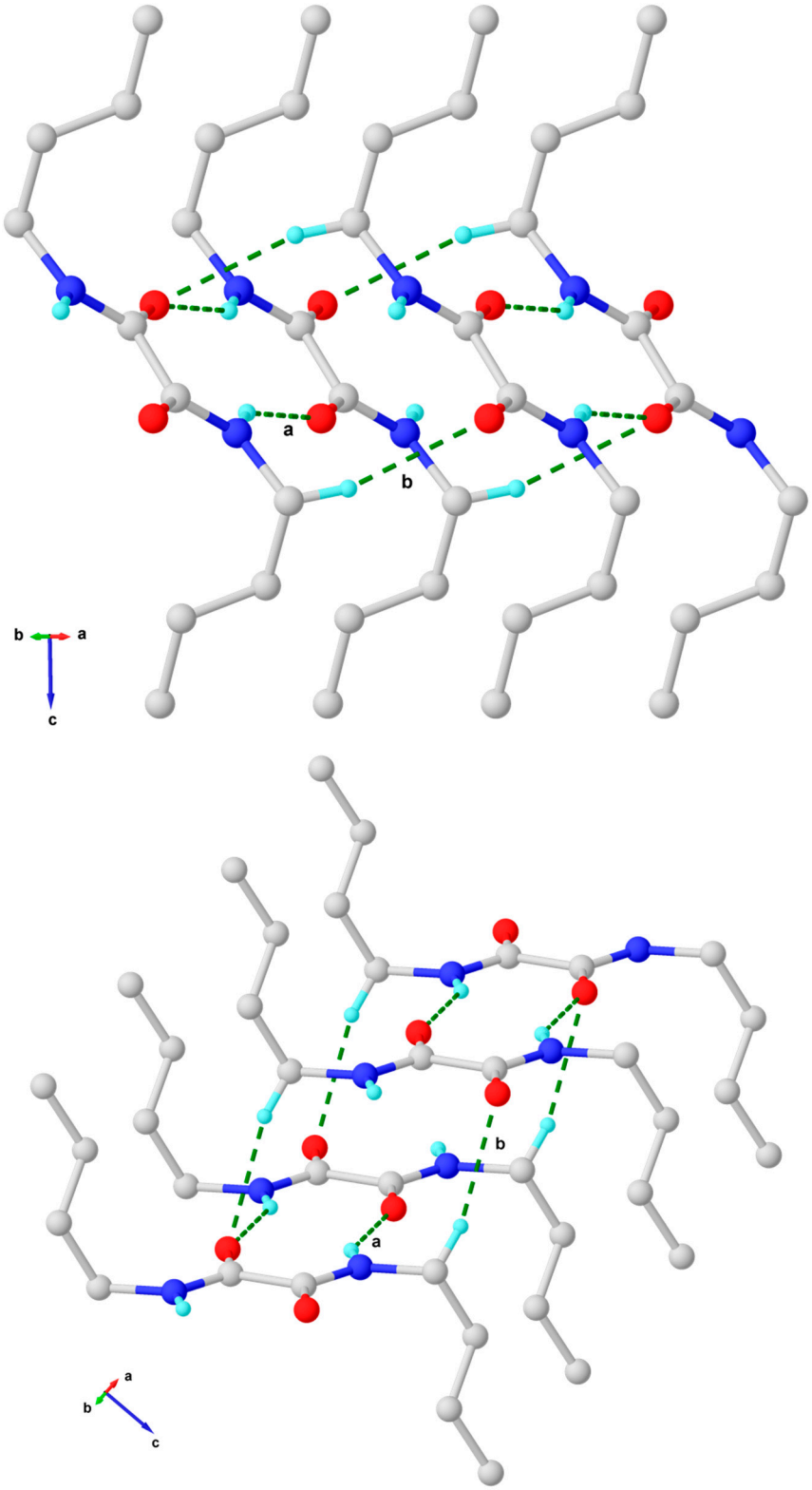

Figure S4. Different views of the crystal packing of compound **1** showing intermolecular N–H···O hydrogen bonding (a) and C–H···O (b) interactions; hydrogen atoms not involved in the abovementioned interactions were omitted for clarity.

Table S1. Crystal data and refinement parameters for compound **1**.

Formula	$C_{10}H_{20}N_2O_2$
$D_{calc.}$/ g cm^{-3}	1.149
μ/mm^{-1}	0.080
Formula Weight	200.28
Colour	colourless
Shape	block
Size/mm^3	1.20×0.22×0.20
T/K	120(2)
Crystal System	triclinic
Space Group	P-1
a/Å	4.4424(3)
b/Å	5.1215(3)
c/Å	13.7589(9)
α/°	84.234(5)
β/°	83.644(6)
γ/°	68.819(5)
V/Å^3	289.48(3)
Z	1
Z'	0.5
Wavelength/Å	0.71073
Radiation type	Mo $K\alpha$
Θ_{min}/°	2.986
Θ_{max}/°	30.584
Measured Refl's.	8553
Indep't Refl's	1773
Refl's I ≥ 2 σ(I)	1705
R_{int}	0.0350
Parameters	68
Restraints	0
Largest Peak	0.459
Deepest Hole	-0.191
GooF	1.087
wR_2 (all data)	0.1376
wR_2	0.1356
R_1 (all data)	0.0530
R_1	0.0511

Table S2. Bond Lengths (Å) for compound **1**. Atom labelling scheme as in Figure 1.

Atom	Atom	Length/Å
O1	C5	1.2376(10)
N1	C4	1.4576(12)
N1	C5	1.3272(11)
C1	C2	1.5229(16)
C2	C3	1.5211(15)
C3	C4	1.5245(14)
C5	C5[i]	1.5416(17)

[i] 1–x, 1–y, 1–z

Table S3. Bond Angles (°) for compound **1**. Atom labelling scheme as in Figure 1.

Atom	**Atom**	**Atom**	**Angle/°**
C5	N1	C4	123.49(8)
C3	C2	C1	113.00(10)
C2	C3	C4	113.64(8)
N1	C4	C3	112.59(8)
O1	C5	N1	125.72(8)
O1	C5	C5^{i}	121.16(9)
N1	C5	C5^{i}	113.12(9)

^{i} 1–x, 1–y, 1–z

Table S4. Torsion Angles (°) for compound **1**. Atom labelling scheme as in Figure 1.

Atom	**Atom**	**Atom**	**Atom**	**Angle/°**
C1	C2	C3	C4	179.05(9)
C2	C3	C4	N1	69.49(10)
C4	N1	C5	O1	1.89(14)
C4	N1	C5	C5 [i]	–178.46(8)
C5	N1	C4	C3	–104.57(10)
O1	C5	C5[i]	O1[i]	180.00(9)

[i] 1–x, 1–y, 1–z