

Crystal structure of *N'*-(2,6-dichlorobenzylidene)-4-nitrobenzohydrazide, C₁₄H₉Cl₂N₃O₃

Zhi-Gang Yin*, Quan-Ling Wang, Heng-Yu Qian and Chun-Xia Zhang

Key Laboratory of Surface and Interface Science of Henan, School of Material & Chemical Engineering, Zhengzhou University of Light Industry, Zhengzhou 450002, P. R. China

Received March 9, 2011; accepted and available on-line June 29, 2011; CCDC no. 1267/3434

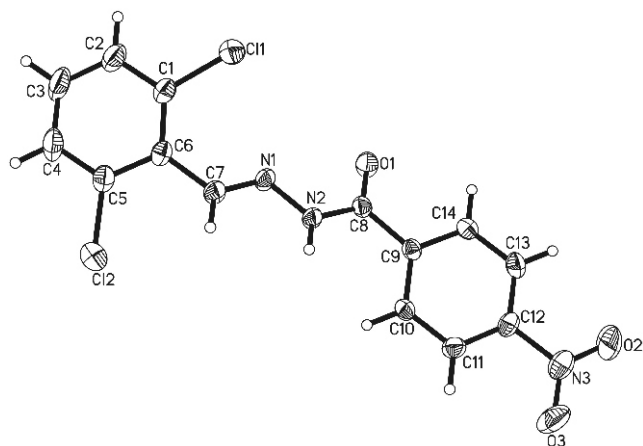


Table 3. Continued.

Atom	Site	<i>x</i>	<i>y</i>	<i>z</i>	<i>U</i> ₁₁	<i>U</i> ₂₂	<i>U</i> ₃₃	<i>U</i> ₁₂	<i>U</i> ₁₃	<i>U</i> ₂₃
C(12)	4e	0.4084(2)	1.0515(2)	0.6959(3)	0.044(1)	0.040(1)	0.055(2)	−0.013(1)	0.003(1)	−0.007(1)
C(10)	4e	0.3793(2)	0.8869(2)	0.6747(2)	0.050(1)	0.036(1)	0.037(1)	0.000(1)	0.001(1)	0.007(1)
C(6)	4e	0.1400(2)	0.5069(2)	0.4045(2)	0.047(1)	0.038(1)	0.042(1)	−0.006(1)	0.013(1)	−0.006(1)
O(3)	4e	0.5140(2)	1.1193(2)	0.8947(2)	0.113(2)	0.087(2)	0.070(2)	−0.046(1)	−0.012(1)	−0.013(1)
C(14)	4e	0.3082(2)	0.9900(2)	0.4825(3)	0.070(2)	0.040(1)	0.045(1)	0.000(1)	−0.011(1)	0.008(1)
C(7)	4e	0.1807(2)	0.5903(2)	0.4895(2)	0.056(1)	0.040(1)	0.035(1)	0.001(1)	0.004(1)	−0.007(1)
N(3)	4e	0.4548(2)	1.1337(2)	0.7807(3)	0.067(2)	0.054(2)	0.083(2)	−0.024(1)	−0.001(1)	−0.009(1)
C(1)	4e	0.0676(2)	0.5106(2)	0.2737(3)	0.055(2)	0.045(1)	0.044(1)	−0.010(1)	0.008(1)	−0.006(1)
C(13)	4e	0.3510(2)	1.0665(2)	0.5612(3)	0.065(2)	0.032(1)	0.069(2)	−0.002(1)	−0.004(1)	0.009(1)
O(2)	4e	0.4329(3)	1.2110(2)	0.7315(3)	0.139(2)	0.044(1)	0.172(3)	−0.022(1)	−0.055(2)	−0.009(2)
C(4)	4e	0.1383(3)	0.3364(2)	0.3772(3)	0.103(2)	0.037(2)	0.074(2)	−0.012(2)	0.013(2)	0.000(1)
C(5)	4e	0.1732(2)	0.4171(2)	0.4531(3)	0.062(2)	0.041(1)	0.051(2)	−0.006(1)	0.009(1)	−0.001(1)
C(2)	4e	0.0323(3)	0.4302(2)	0.1992(3)	0.090(2)	0.056(2)	0.052(2)	−0.025(2)	−0.002(1)	−0.007(1)
C(3)	4e	0.0674(3)	0.3444(2)	0.2500(3)	0.128(3)	0.048(2)	0.067(2)	−0.034(2)	0.004(2)	−0.013(2)

References

1. Kahwa, I. A.; Selbin, I.; Hsieh, T. C. Y.; Laine, R. A.: Synthesis of homodinuclear macrocyclic complexes of lanthanides and phenolic schiff bases. *Inorg. Chim. Acta*, **118** (1986) 179–185.
2. Santos, M. L. P.; Bagatin, I. A.; Pereira, E. M.; Ferreira, A. M. D. C.: Redox behaviour and reactivity of some di-Schiff base copper(II) complexes towards reduced oxygen species. *J. Chem. Soc. Dalton Trans.* (2001) 838–844.
3. Sheldrick, G. M.: A short history of SHELX. *Acta Crystallogr.* **A64** (2008) 112–122.