

Crystal structure of [p-(2-hydroxy-5-methylphenylazo)benzoato]triethyltin, $C_{20}H_{26}N_2O_3Sn$

T. S. Basu Baul* and E. R. T. Tiekink

The University of Adelaide, Department of Chemistry, Adelaide, S.A. 5005, Australia

Received December 20, 1996, CSD-No. 402771

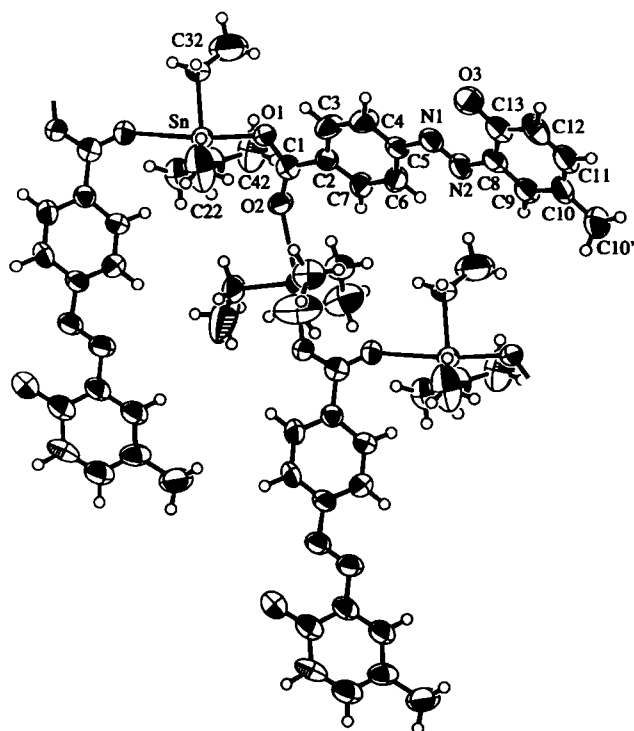


Table 3. Final atomic coordinates and displacement parameters (in Å²)

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
Sn	4e	−0.04445(6)	0.27974(2)	0.33108(4)	0.0484(3)	0.0505(3)	0.0474(2)	−0.0039(3)	0.0146(2)	0.0017(3)
O(1)	4e	−0.0615(6)	0.3396(2)	0.4721(4)	0.085(4)	0.048(3)	0.052(3)	0.000(2)	0.030(3)	0.001(3)
O(2)	4e	−0.0325(6)	0.2840(2)	0.6426(4)	0.084(3)	0.058(3)	0.055(3)	0.013(3)	0.029(2)	0.010(3)
O(3)	4e	−0.4633(8)	0.5877(2)	0.8332(6)	0.137(6)	0.067(4)	0.091(4)	0.026(3)	0.035(4)	0.009(4)
N(1)	4e	−0.2896(7)	0.5011(2)	0.8435(6)	0.080(5)	0.045(4)	0.076(4)	−0.002(3)	0.036(4)	−0.005(3)
N(2)	4e	−0.2525(8)	0.4982(2)	0.9667(6)	0.082(5)	0.050(4)	0.074(4)	−0.004(3)	0.033(4)	−0.012(3)
C(1)	4e	−0.0659(8)	0.3288(3)	0.5880(7)	0.049(4)	0.059(5)	0.062(4)	−0.001(4)	0.018(4)	−0.001(4)
C(2)	4e	−0.1161(8)	0.3754(3)	0.6576(6)	0.056(5)	0.047(4)	0.055(4)	−0.001(3)	0.023(4)	0.001(4)
C(3)	4e	−0.210(1)	0.4170(3)	0.5881(7)	0.101(7)	0.069(6)	0.057(4)	0.034(4)	0.028(4)	0.019(5)
C(4)	4e	−0.263(1)	0.4583(3)	0.6528(7)	0.130(8)	0.059(6)	0.071(5)	0.043(4)	0.040(5)	0.024(5)
C(5)	4e	−0.2234(9)	0.4582(3)	0.7860(7)	0.080(6)	0.040(4)	0.065(4)	−0.001(4)	0.033(4)	−0.001(4)
C(6)	4e	−0.1250(9)	0.4180(3)	0.8569(6)	0.078(6)	0.066(5)	0.051(4)	0.007(4)	0.016(4)	−0.003(5)
C(7)	4e	−0.0727(9)	0.3770(3)	0.7934(6)	0.080(6)	0.050(5)	0.057(4)	0.014(3)	0.019(4)	−0.003(4)
C(8)	4e	−0.3191(9)	0.5394(3)	1.0286(8)	0.073(6)	0.041(5)	0.084(5)	−0.006(4)	0.034(5)	−0.003(4)
C(9)	4e	−0.2775(9)	0.5344(3)	1.1649(8)	0.078(6)	0.046(5)	0.081(5)	−0.003(4)	0.030(5)	−0.005(4)
C(10)	4e	−0.334(1)	0.5708(3)	1.2393(8)	0.085(6)	0.056(6)	0.086(6)	−0.024(5)	0.043(5)	−0.024(5)
C(10')	4e	−0.285(1)	0.5645(4)	1.3878(8)	0.150(9)	0.086(7)	0.098(7)	−0.015(5)	0.065(7)	−0.028(6)
C(11)	4e	−0.430(1)	0.6123(3)	1.1758(9)	0.094(7)	0.054(6)	0.100(6)	−0.010(5)	0.042(6)	−0.016(5)
C(12)	4e	−0.473(1)	0.6188(3)	1.043(1)	0.093(7)	0.047(5)	0.123(8)	0.012(5)	0.041(6)	−0.018(5)
C(13)	4e	−0.420(1)	0.5820(3)	0.9649(8)	0.079(6)	0.048(5)	0.094(6)	−0.004(5)	0.032(5)	−0.004(4)
C(21)	4e	−0.2764(9)	0.2421(4)	0.3131(8)	0.041(4)	0.095(7)	0.097(6)	−0.015(5)	0.017(4)	−0.013(4)
C(22)	4e	−0.401(1)	0.2767(4)	0.336(1)	0.071(6)	0.16(1)	0.18(1)	−0.028(9)	0.052(7)	−0.081(7)
C(31)	4e	−0.047(1)	0.3424(3)	0.1926(7)	0.135(8)	0.060(6)	0.061(5)	−0.023(4)	0.029(5)	0.007(6)
C(32)	4e	0.056(2)	0.3849(6)	0.235(1)	0.39(2)	0.20(1)	0.088(8)	−0.194(9)	−0.03(1)	0.04(2)
C(41)	4e	0.1878(9)	0.2450(3)	0.4346(7)	0.053(5)	0.080(6)	0.076(5)	0.005(4)	0.011(4)	−0.016(4)
C(42)	4e	0.304(1)	0.2837(4)	0.5215(9)	0.067(6)	0.17(1)	0.105(7)	0.006(7)	0.008(5)	−0.037(7)

Acknowledgment. The Australian Research Council is thanked for support.

References

1. Basu Baul, T. S.; Tiekink, E. R. T.: Polymeric [*p*-(2-hydroxy-5-methylphenylazo)benzoato]trimethyltin. *Acta Crystallogr. C* **52** (1996) 1428–1430.
2. Tiekink, E. R. T.: The rich diversity in tin carboxylate structures. *Trends in Organomet. Chem.* **1** (1994) 71–116.
3. teXsan. Single crystal structure analysis software. Vision 1.6. Molecular Structure Corporation, The Woodlands, Texas, USA 1993.