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#####

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loop\_

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O2 O 0.3563(3) 0.0601(3) 0.20669(16) 0.0431(6) Uani 1 d . . .  
O3 O 0.2190(5) -0.0524(3) 0.33894(17) 0.0520(7) Uani 1 d . . .  
O4 O 0.1083(6) 0.4575(3) 0.3086(2) 0.0777(11) Uani 1 d . . .  
O5 O 0.3027(5) 0.3992(4) 0.1863(2) 0.0720(10) Uani 1 d . . .  
O6 O -0.0150(6) 0.4841(3) 0.1767(3) 0.0916(14) Uani 1 d . . .  
O7 O 0.0259(4) 0.2636(3) 0.24039(19) 0.0504(7) Uani 1 d . . .  
O8 O 0.1157(4) 0.1724(3) 0.30346(15) 0.0412(6) Uani 1 d . . .  
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H4AA H -0.1964 -0.0792 0.5364 0.048 Uiso 1 calc R . . .  
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C6A C -0.3110(4) 0.0836(4) 0.4072(2) 0.0293(7) Uani 1 d . . .  
C7A C -0.3101(5) 0.1664(4) 0.4694(2) 0.0395(8) Uani 1 d . . .  
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C8A C -0.3646(6) 0.3036(4) 0.4554(3) 0.0493(10) Uani 1 d . . .  
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C9A C -0.4192(6) 0.3552(4) 0.3805(3) 0.0474(10) Uani 1 d . . .  
H9AA H -0.4560 0.4473 0.3700 0.057 Uiso 1 calc R . . .  
C10A C -0.4185(6) 0.2681(4) 0.3213(2) 0.0429(9) Uani 1 d . . .  
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C7B C -0.3080(5) -0.1828(4) -0.0070(2) 0.0403(9) Uani 1 d . . .  
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C8B C -0.3553(6) -0.3178(4) 0.0126(3) 0.0450(9) Uani 1 d . . .  
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O1W O -0.6518(5) -0.3397(4) 0.3430(3) 0.0692(10) Uani 1 d D . .  
H1WA H -0.690(6) -0.258(4) 0.337(3) 0.064(15) Uiso 1 d D . .  
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loop\_

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O2 0.0285(13) 0.0660(18) 0.0359(14) -0.0132(12) -0.0040(11) 0.0022(12)  
O3 0.080(2) 0.0401(15) 0.0363(14) 0.0004(12) -0.0189(14) 0.0088(14)  
O4 0.121(3) 0.0525(19) 0.062(2) -0.0206(16) -0.009(2) -0.0055(19)  
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O7 0.0455(16) 0.0394(15) 0.0683(19) 0.0026(13) -0.0242(14) 0.0009(12)  
O8 0.0527(16) 0.0380(14) 0.0319(13) -0.0050(10) -0.0052(11) 0.0073(12)  
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C2A 0.053(2) 0.038(2) 0.047(2) 0.0007(17) -0.0095(19) 0.0036(18)  
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\_geom\_special\_details

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All esds (except the esd in the dihedral angle between two l.s. planes)  
are estimated using the full covariance matrix. The cell esds are taken  
into account individually in the estimation of esds in distances, angles  
and torsion angles; correlations between esds in cell parameters are only  
used when they are defined by crystal symmetry. An approximate (isotropic)  
treatment of cell esds is used for estimating esds involving l.s. planes.  
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S1 O8 1.633(3) . ?  
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C10B N2B Cd 125.2(2) . . ?  
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C8B C7B C6B 119.8(4) . . ?  
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C8B C9B C10B 118.6(4) . . ?  
C8B C9B H9BA 120.7 . . ?  
C10B C9B H9BA 120.7 . . ?  
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loop\_

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O8 S1 O2 Cd 102.69(19) . . . 1\_655 ?  
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O6 S2 O7 O8 -170.7(3) . . . . ?  
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N2B Cd N1B C1B -178.7(3) . . . . ?  
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O1 Cd N1B C1B -77.4(3) . . . . ?  
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O1 Cd N2B C10B 105.0(3) . . . . ?  
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C4B C5B C6B N2B 177.6(3) . . . . ?  
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C4B C5B C6B C7B -2.9(5) . . . . ?  
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C6B C7B C8B C9B 0.7(6) . . . . ?  
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#####

data\_Hg\_Persulf\_Terp

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(mu!2\$-Peroxisulfato-O,O') mercury(ii) )  
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loop\_

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loop\_

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'-x, -y, -z'

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C2A C 0.4594(18) 0.7288(17) 0.1983(10) 0.076(6) Uani 1 d . . .  
H2AA H 0.4741 0.7493 0.1371 0.091 Uiso 1 calc R . .  
C3A C 0.3884(16) 0.6521(15) 0.2226(9) 0.064(5) Uani 1 d . . .  
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C4A C 0.3671(14) 0.6213(12) 0.3116(9) 0.048(4) Uani 1 d . . .  
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C5A C 0.4168(13) 0.6736(11) 0.3777(7) 0.038(3) Uani 1 d . . .  
C6A C 0.3952(13) 0.6478(11) 0.4775(8) 0.037(3) Uani 1 d . . .  
C7A C 0.3119(15) 0.5823(13) 0.5095(9) 0.055(4) Uani 1 d . . .  
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C11A C 0.5061(14) 0.7383(13) 0.6827(8) 0.043(3) Uani 1 d . . .  
C12A C 0.5092(15) 0.7198(14) 0.7753(9) 0.058(4) Uani 1 d . . .  
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C14A C 0.6180(18) 0.8623(17) 0.7825(10) 0.076(6) Uani 1 d . . .  
H14A H 0.6560 0.9069 0.8149 0.091 Uiso 1 calc R . .  
C15A C 0.6128(16) 0.8737(14) 0.6897(11) 0.065(5) Uani 1 d . . .  
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loop\_

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Hg1B 0.0534(5) 0.0514(4) 0.0399(3) 0.0049(3) -0.0068(3) -0.0184(3)  
C1C 0.035(10) 0.046(9) 0.066(9) 0.001(7) -0.006(7) -0.007(7)  
C2C 0.040(11) 0.049(9) 0.115(14) 0.007(9) 0.009(9) -0.007(8)  
O1C 0.070(8) 0.056(7) 0.060(6) 0.001(5) 0.001(5) -0.024(6)  
O2C 0.047(7) 0.078(8) 0.059(6) -0.005(5) -0.008(5) -0.008(6)  
C1D 0.049(11) 0.030(7) 0.066(9) -0.020(7) 0.014(8) -0.002(7)  
C2D 0.042(11) 0.083(13) 0.115(14) 0.041(11) -0.010(10) -0.029(10)  
O1D 0.105(11) 0.088(9) 0.062(7) 0.015(7) 0.003(7) -0.012(8)  
O2D 0.055(9) 0.063(8) 0.134(11) -0.036(7) -0.014(8) -0.007(7)  
S1E 0.046(2) 0.046(2) 0.0397(17) -0.0007(14) -0.0078(15) -0.0090(18)  
O1E 0.052(7) 0.053(6) 0.049(5) -0.004(4) -0.015(5) -0.006(5)  
O2E 0.107(10) 0.101(9) 0.041(5) 0.013(6) -0.002(6) -0.060(8)  
O3E 0.079(9) 0.062(7) 0.063(6) -0.007(5) -0.004(6) -0.028(7)  
O4E 0.046(8) 0.057(7) 0.123(9) -0.024(6) -0.029(6) -0.001(6)  
S1F 0.038(2) 0.067(3) 0.0438(18) -0.0050(17) -0.0041(16) -0.004(2)  
O1F 0.068(9) 0.075(8) 0.074(7) -0.028(6) -0.009(6) -0.012(7)  
O2F 0.121(11) 0.074(7) 0.041(5) -0.013(5) 0.004(6) -0.045(8)  
O3F 0.087(9) 0.102(9) 0.045(5) 0.001(6) 0.001(5) -0.058(8)  
O4F 0.090(13) 0.17(2) 0.25(2) 0.111(18) 0.009(13) -0.031(14)  
N1A 0.036(8) 0.054(7) 0.047(6) 0.006(5) -0.006(5) -0.017(6)  
N2A 0.029(7) 0.040(6) 0.044(6) 0.008(5) -0.007(5) -0.008(5)  
N3A 0.059(8) 0.032(6) 0.042(6) -0.006(5) -0.010(5) -0.018(6)  
C1A 0.046(10) 0.072(10) 0.047(8) 0.005(7) -0.007(7) -0.024(9)  
C2A 0.090(15) 0.112(15) 0.035(8) 0.010(9) -0.011(8) -0.044(13)  
C3A 0.056(12) 0.085(12) 0.042(8) -0.011(8) -0.007(7) -0.003(10)  
C4A 0.037(9) 0.049(9) 0.058(8) -0.005(7) -0.012(7) -0.010(7)  
C5A 0.032(8) 0.049(8) 0.026(6) -0.010(5) 0.006(5) 0.000(7)  
C6A 0.030(8) 0.047(8) 0.035(6) 0.001(6) -0.008(5) -0.011(7)  
C7A 0.060(11) 0.068(10) 0.041(7) -0.006(7) -0.008(7) -0.021(9)  
C8A 0.059(11) 0.071(11) 0.048(8) 0.003(7) 0.000(7) -0.030(9)  
C9A 0.064(11) 0.044(8) 0.039(7) 0.007(6) -0.015(7) -0.018(8)  
C10A 0.024(8) 0.033(7) 0.032(6) 0.004(5) -0.003(5) -0.002(6)  
C11A 0.031(9) 0.060(9) 0.034(6) -0.003(6) -0.009(6) -0.003(7)  
C12A 0.055(11) 0.088(12) 0.043(7) 0.008(8) -0.010(7) -0.038(10)  
C13A 0.101(17) 0.123(17) 0.053(9) -0.010(10) -0.013(10) -0.056(15)  
C14A 0.083(14) 0.116(16) 0.047(9) -0.003(9) -0.005(8) -0.058(13)  
C15A 0.056(12) 0.071(11) 0.076(11) -0.024(9) 0.009(8) -0.037(10)  
N1B 0.049(9) 0.065(8) 0.038(6) 0.002(6) -0.008(6) -0.005(7)  
N2B 0.034(7) 0.033(6) 0.040(6) -0.004(5) 0.001(5) 0.004(5)  
N3B 0.023(7) 0.054(7) 0.049(6) -0.012(5) 0.002(5) -0.011(6)  
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C2B 0.056(12) 0.085(13) 0.046(8) 0.005(8) -0.005(8) -0.005(10)  
C3B 0.113(17) 0.084(13) 0.044(8) 0.000(8) -0.025(9) -0.038(13)  
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C6B 0.045(10) 0.040(8) 0.048(8) -0.009(6) -0.011(7) -0.004(7)  
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C8B 0.108(16) 0.076(12) 0.051(8) 0.012(8) -0.015(9) -0.059(12)  
C9B 0.077(13) 0.074(11) 0.039(7) -0.005(7) 0.008(7) -0.035(10)  
C10B 0.055(10) 0.041(8) 0.039(7) -0.011(6) -0.011(7) -0.011(7)  
C11B 0.023(8) 0.054(9) 0.039(7) -0.001(6) -0.002(6) 0.000(7)  
C12B 0.053(11) 0.058(9) 0.049(8) 0.003(7) -0.009(7) -0.006(8)  
C13B 0.067(12) 0.075(11) 0.030(6) 0.007(7) -0.011(7) -0.020(9)  
C14B 0.037(10) 0.078(11) 0.056(8) -0.014(8) -0.021(7) -0.018(9)  
C15B 0.045(10) 0.062(10) 0.056(8) -0.003(7) -0.002(7) -0.018(8)

\_geom\_special\_details

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

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Hg1A N1A 2.438(11) . ?
Hg1B N2B 2.311(11) . ?
Hg1B N3B 2.376(10) . ?
Hg1B N1B 2.380(12) . ?
Hg1B O2D 2.406(13) . ?
Hg1B O1D 2.456(14) . ?
Hg1B O1F 2.644(12) . ?
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C1D O2D 1.266(18) . ?
C1D C2D 1.508(19) . ?
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S1E O1E 1.432(9) . ?
S1E O3E 1.444(11) . ?
S1E O4E 1.640(12) . ?
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S1F O3F 1.413(10) . ?
S1F O2F 1.421(10) . ?
S1F O1F 1.430(11) . ?
S1F O4F 1.647(19) . ?
O4F O4F 1.455(10) 2_865 ?
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N1A C5A 1.342(16) . ?
N2A C10A 1.309(14) . ?
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N3A C11A 1.331(16) . ?
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C2A C3A 1.37(2) . ?
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C7A C8A 1.391(17) . ?
C8A C9A 1.384(19) . ?
C9A C10A 1.403(17) . ?
C10A C11A 1.486(18) . ?
C11A C12A 1.370(17) . ?
C12A C13A 1.33(2) . ?
C13A C14A 1.42(2) . ?
C14A C15A 1.37(2) . ?
N1B C1B 1.320(17) . ?
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loop\_

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O1D C1D O2D 121.6(15) . . ?  
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C1A N1A Hg1A 124.9(9) . . ?  
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C10A N2A Hg1A 117.2(9) . . ?  
C6A N2A Hg1A 119.5(8) . . ?  
C15A N3A C11A 117.7(12) . . ?  
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C13B C14B C15B 117.3(13) . . ?  
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loop\_

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O1F Hg1B O1D C1D 91.0(9) . . . . ?  
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N1B Hg1B O1F S1F -48.1(7) . . . . ?  
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O1D Hg1B O1F S1F 174.0(8) . . . . ?  
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Hg1A N1A C5A C4A -177.1(10) . . . . ?  
C1A N1A C5A C6A 179.7(13) . . . . ?  
Hg1A N1A C5A C6A 3.0(15) . . . . ?  
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C3A C4A C5A C6A 178.3(13) . . . . ?  
C10A N2A C6A C7A -1(2) . . . . ?  
Hg1A N2A C6A C7A -171.4(10) . . . . ?  
C10A N2A C6A C5A 177.4(11) . . . . ?  
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C4A C5A C6A N2A 173.3(13) . . . . ?  
N1A C5A C6A C7A 171.9(13) . . . . ?  
C4A C5A C6A C7A -8(2) . . . . ?  
N2A C6A C7A C8A 1(2) . . . . ?  
C5A C6A C7A C8A -177.9(14) . . . . ?  
C6A C7A C8A C9A -1(2) . . . . ?  
C7A C8A C9A C10A 2(2) . . . . ?  
C6A N2A C10A C9A 2.2(19) . . . . ?  
Hg1A N2A C10A C9A 172.6(9) . . . . ?  
C6A N2A C10A C11A -175.5(12) . . . . ?  
Hg1A N2A C10A C11A -5.2(15) . . . . ?  
C8A C9A C10A N2A -3(2) . . . . ?  
C8A C9A C10A C11A 174.9(13) . . . . ?  
C15A N3A C11A C12A 2(2) . . . . ?  
Hg1A N3A C11A C12A 171.7(11) . . . . ?  
C15A N3A C11A C10A 178.3(13) . . . . ?  
Hg1A N3A C11A C10A -11.5(15) . . . . ?  
N2A C10A C11A N3A 11.2(18) . . . . ?  
C9A C10A C11A N3A -166.5(12) . . . . ?  
N2A C10A C11A C12A -172.1(13) . . . . ?  
C9A C10A C11A C12A 10(2) . . . . ?  
N3A C11A C12A C13A 0(3) . . . . ?  
C10A C11A C12A C13A -176.5(16) . . . . ?  
C11A C12A C13A C14A 0(3) . . . . ?  
C12A C13A C14A C15A -1(3) . . . . ?  
C11A N3A C15A C14A -3(3) . . . . ?  
Hg1A N3A C15A C14A -172.3(14) . . . . ?  
C13A C14A C15A N3A 2(3) . . . . ?

N2B Hg1B N1B C1B -177.7(14) . . . . ?  
 N3B Hg1B N1B C1B 178.6(12) . . . . ?  
 O2D Hg1B N1B C1B 13.0(13) . . . . ?  
 O1D Hg1B N1B C1B -11.0(16) . . . . ?  
 O1F Hg1B N1B C1B -74.6(13) . . . . ?  
 N2B Hg1B N1B C5B -1.3(9) . . . . ?  
 N3B Hg1B N1B C5B -5.0(13) . . . . ?  
 O2D Hg1B N1B C5B -170.6(10) . . . . ?  
 O1D Hg1B N1B C5B 165.4(9) . . . . ?  
 O1F Hg1B N1B C5B 101.8(10) . . . . ?  
 N3B Hg1B N2B C10B 0.0(10) . . . . ?  
 N1B Hg1B N2B C10B -177.4(11) . . . . ?  
 O2D Hg1B N2B C10B -154.0(10) . . . . ?  
 O1D Hg1B N2B C10B 25.1(15) . . . . ?  
 O1F Hg1B N2B C10B 106.0(10) . . . . ?  
 N3B Hg1B N2B C6B 177.3(11) . . . . ?  
 N1B Hg1B N2B C6B -0.1(10) . . . . ?  
 O2D Hg1B N2B C6B 23.3(15) . . . . ?  
 O1D Hg1B N2B C6B -157.6(10) . . . . ?  
 O1F Hg1B N2B C6B -76.7(10) . . . . ?  
 N2B Hg1B N3B C11B 3.2(9) . . . . ?  
 N1B Hg1B N3B C11B 7.0(13) . . . . ?  
 O2D Hg1B N3B C11B 166.7(9) . . . . ?  
 O1D Hg1B N3B C11B -166.0(10) . . . . ?  
 O1F Hg1B N3B C11B -89.9(10) . . . . ?  
 N2B Hg1B N3B C15B 178.3(12) . . . . ?  
 N1B Hg1B N3B C15B -177.9(10) . . . . ?  
 O2D Hg1B N3B C15B -18.2(14) . . . . ?  
 O1D Hg1B N3B C15B 9.1(11) . . . . ?  
 O1F Hg1B N3B C15B 85.2(12) . . . . ?  
 C5B N1B C1B C2B 3(3) . . . . ?  
 Hg1B N1B C1B C2B 179.1(12) . . . . ?  
 N1B C1B C2B C3B -5(3) . . . . ?  
 C1B C2B C3B C4B 4(3) . . . . ?  
 C2B C3B C4B C5B -2(3) . . . . ?  
 C1B N1B C5B C4B -1(2) . . . . ?  
 Hg1B N1B C5B C4B -177.0(11) . . . . ?  
 C1B N1B C5B C6B 178.8(15) . . . . ?  
 Hg1B N1B C5B C6B 2.4(16) . . . . ?  
 C3B C4B C5B N1B 0(2) . . . . ?  
 C3B C4B C5B C6B -179.5(15) . . . . ?  
 C10B N2B C6B C7B 0(2) . . . . ?  
 Hg1B N2B C6B C7B -177.4(10) . . . . ?  
 C10B N2B C6B C5B 178.6(13) . . . . ?  
 Hg1B N2B C6B C5B 1.4(16) . . . . ?  
 N1B C5B C6B N2B -2.5(19) . . . . ?  
 C4B C5B C6B N2B 176.8(14) . . . . ?  
 N1B C5B C6B C7B 176.1(13) . . . . ?  
 C4B C5B C6B C7B -5(2) . . . . ?  
 N2B C6B C7B C8B 0(2) . . . . ?  
 C5B C6B C7B C8B -178.5(15) . . . . ?  
 C6B C7B C8B C9B 0(3) . . . . ?  
 C7B C8B C9B C10B -1(3) . . . . ?  
 C6B N2B C10B C9B 0(2) . . . . ?  
 Hg1B N2B C10B C9B 176.7(11) . . . . ?  
 C6B N2B C10B C11B 179.9(12) . . . . ?  
 Hg1B N2B C10B C11B -2.9(17) . . . . ?  
 C8B C9B C10B N2B 1(2) . . . . ?  
 C8B C9B C10B C11B -179.4(15) . . . . ?  
 C15B N3B C11B C12B 1(2) . . . . ?  
 Hg1B N3B C11B C12B 175.9(11) . . . . ?

C15B N3B C11B C10B 178.8(13) . . . . ?  
Hg1B N3B C11B C10B -5.8(15) . . . . ?  
N2B C10B C11B N3B 5.8(19) . . . . ?  
C9B C10B C11B N3B -173.8(14) . . . . ?  
N2B C10B C11B C12B -175.9(13) . . . . ?  
C9B C10B C11B C12B 4(2) . . . . ?  
N3B C11B C12B C13B 2(2) . . . . ?  
C10B C11B C12B C13B -176.6(14) . . . . ?  
C11B C12B C13B C14B -3(2) . . . . ?  
C12B C13B C14B C15B 3(2) . . . . ?  
C11B N3B C15B C14B -1(2) . . . . ?  
Hg1B N3B C15B C14B -175.9(11) . . . . ?  
C13B C14B C15B N3B -1(2) . . . . ?

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\_refine\_diff\_density\_min -1.495  
\_refine\_diff\_density\_rms 0.181

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