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data_pca21

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_chemical_formula_sum
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 _atom_type_scat_dispersion_imag
 _atom_type_scat_source
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 'H'  'H'   0.0000   0.0000
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 'N'  'N'   0.0061   0.0033
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 'O'  'O'   0.0106   0.0060
 'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
 'Cl'  'Cl'   0.1484   0.1585
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 'Rh'  'Rh'  -1.1178   0.9187
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 'x, y, z'
 '-x, -y, z+1/2'
 'x+1/2, -y, z'
 '-x+1/2, y, z+1/2'

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_cell_length_b                    15.104(3)
_cell_length_c                    13.243(3)
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_cell_angle_beta                  90.00
_cell_angle_gamma                 90.00
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_cell_formula_units_Z             1
_cell_measurement_temperature     293(2)
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_exptl_special_details
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_diffrn_reflns_limit_k_max        18
_diffrn_reflns_limit_l_min        -9
_diffrn_reflns_limit_l_max        16
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_diffrn_reflns_theta_max          26.37
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_computing_data_reduction         ?
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_computing_structure_refinement   'SHELXL-97 (Sheldrick, 2008)'
_computing_molecular_graphics     ?
_computing_publication_material   ?
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_refine_special_details
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 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^ > 2sigma(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.
;

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_refine_ls_weighting_details
 'calc w=1/[\s^2^(Fo^2^)+(0.1837P)^2^+11.0575P] where P=(Fo^2^+2Fc^2^)/3'
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_atom_sites_solution_secondary    difmap
_atom_sites_solution_hydrogens    geom
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 'Flack H D (1983), Acta Cryst. A39, 876-881'
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_refine_ls_number_reflns          5075
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_refine_ls_R_factor_all           0.1136
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_refine_ls_wR_factor_ref          0.2717
_refine_ls_wR_factor_gt           0.2451
_refine_ls_goodness_of_fit_ref    1.054
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_refine_ls_shift/su_max           1.965
_refine_ls_shift/su_mean          0.038

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Rh2 Rh -0.15112(6) 1.00966(7) -0.11950(8) 0.0307(4) Uani 1 1 d . . .
Cl1 Cl 0.1681(2) 0.6131(3) 0.3634(4) 0.0486(10) Uani 1 1 d . . .
Cl2 Cl 0.1361(3) 0.3904(3) 0.3716(4) 0.0623(13) Uani 1 1 d . . .
Cl3 Cl -0.1244(2) 0.8934(3) -0.2346(4) 0.0497(10) Uani 1 1 d . . .
Cl4 Cl -0.0889(3) 1.1156(3) -0.2311(5) 0.0604(13) Uani 1 1 d . . .
O1 O -0.1336(9) 0.7716(9) 0.358(2) 0.141(10) Uani 1 1 d . . .
O2 O -0.3931(7) 1.2698(8) -0.2177(16) 0.094(6) Uani 1 1 d . . .
N1 N -0.0079(7) 0.5283(8) 0.3341(10) 0.035(3) Uani 1 1 d . . .
N2 N -0.0004(9) 0.6826(8) 0.3304(16) 0.083(6) Uani 1 1 d . . .
H2A H 0.0479 0.6783 0.3156 0.100 Uiso 1 1 calc R . .
H2B H -0.0215 0.7339 0.3364 0.100 Uiso 1 1 calc R . .
N3 N -0.2644(9) 1.0294(9) -0.2000(11) 0.045(3) Uani 1 1 d . . .
N4 N -0.2557(8) 1.1830(7) -0.1943(12) 0.052(4) Uani 1 1 d . . .
H4A H -0.2069 1.1791 -0.1820 0.063 Uiso 1 1 calc R . .
H4B H -0.2773 1.2342 -0.1986 0.063 Uiso 1 1 calc R . .
C1 C 0.0893(10) 0.5777(12) 0.1215(17) 0.047(4) Uani 1 1 d . . .
C2 C 0.1708(11) 0.5471(13) 0.1300(14) 0.054(5) Uani 1 1 d . . .
C3 C 0.1657(11) 0.4519(12) 0.1354(14) 0.045(4) Uani 1 1 d . . .
C4 C 0.0859(9) 0.4240(10) 0.1273(14) 0.035(3) Uani 1 1 d . . .
C5 C 0.0404(8) 0.5038(14) 0.1110(18) 0.065(8) Uani 1 1 d . . .
C6 C 0.065(2) 0.6691(16) 0.110(3) 0.17(2) Uani 1 1 d . . .
H6A H 0.1024 0.7004 0.0698 0.259 Uiso 1 1 calc R . .
H6B H 0.0609 0.6964 0.1749 0.259 Uiso 1 1 calc R . .
H6C H 0.0156 0.6709 0.0766 0.259 Uiso 1 1 calc R . .
C7 C 0.2379(15) 0.6038(17) 0.1274(18) 0.120(12) Uani 1 1 d . . .
H7A H 0.2342 0.6470 0.1804 0.179 Uiso 1 1 calc R . .
H7B H 0.2404 0.6333 0.0633 0.179 Uiso 1 1 calc R . .
H7C H 0.2838 0.5688 0.1369 0.179 Uiso 1 1 calc R . .
C8 C 0.2311(13) 0.3897(15) 0.1348(19) 0.086(8) Uani 1 1 d . . .
H8A H 0.2142 0.3331 0.1591 0.129 Uiso 1 1 calc R . .
H8B H 0.2715 0.4119 0.1776 0.129 Uiso 1 1 calc R . .
H8C H 0.2504 0.3836 0.0671 0.129 Uiso 1 1 calc R . .
C9 C 0.0526(17) 0.3356(14) 0.1247(18) 0.104(10) Uani 1 1 d . . .
H9A H -0.0026 0.3398 0.1173 0.155 Uiso 1 1 calc R . .
H9B H 0.0646 0.3052 0.1864 0.155 Uiso 1 1 calc R . .
H9C H 0.0738 0.3033 0.0686 0.155 Uiso 1 1 calc R . .
C10 C -0.0485(14) 0.505(2) 0.094(3) 0.14(2) Uani 1 1 d . . .
H10A H -0.0607 0.4769 0.0317 0.214 Uiso 1 1 calc R . .
H10B H -0.0662 0.5657 0.0925 0.214 Uiso 1 1 calc R . .
H10C H -0.0736 0.4748 0.1488 0.214 Uiso 1 1 calc R . .
C11 C -0.0467(11) 0.4552(12) 0.3468(14) 0.051(5) Uani 1 1 d . . .
H11 H -0.0202 0.4018 0.3416 0.061 Uiso 1 1 calc R . .
C12 C -0.1316(9) 0.4522(13) 0.3692(12) 0.045(4) Uani 1 1 d . . .
H12 H -0.1602 0.4006 0.3774 0.054 Uiso 1 1 calc R . .
C13 C -0.1615(10) 0.5365(11) 0.3761(17) 0.046(4) Uani 1 1 d . . .
H13 H -0.2145 0.5403 0.3879 0.055 Uiso 1 1 calc R . .
C14 C -0.1255(7) 0.6102(12) 0.3683(13) 0.047(4) Uani 1 1 d . . .
C15 C -0.1639(11) 0.6967(11) 0.372(2) 0.076(6) Uani 1 1 d . . .
H15 H -0.2166 0.6963 0.3867 0.091 Uiso 1 1 calc R . .
C16 C -0.0434(9) 0.6086(9) 0.3443(13) 0.042(4) Uani 1 1 d . . .
C17 C -0.1524(10) 1.0856(13) 0.0216(14) 0.046(5) Uani 1 1 d . . .
C18 C -0.2093(12) 1.0202(13) 0.0233(14) 0.045(5) Uani 1 1 d . . .
```

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C19 C -0.1749(14) 0.9399(14) 0.0176(13) 0.059(6) Uani 1 1 d . . .
C20 C -0.0911(9) 0.9558(10) 0.0104(14) 0.037(4) Uani 1 1 d . . .
C21 C -0.0817(10) 1.0443(13) 0.0112(14) 0.044(4) Uani 1 1 d . . .
C22 C -0.1632(15) 1.1847(12) 0.0285(17) 0.078(7) Uani 1 1 d . . .
H22A H -0.2039 1.2027 -0.0165 0.117 Uiso 1 1 calc R . .
H22B H -0.1159 1.2138 0.0098 0.117 Uiso 1 1 calc R . .
H22C H -0.1766 1.2005 0.0964 0.117 Uiso 1 1 calc R . .
C23 C -0.2938(11) 1.036(2) 0.037(2) 0.112(11) Uani 1 1 d . . .
H23A H -0.3069 1.0935 0.0103 0.168 Uiso 1 1 calc R . .
H23B H -0.3062 1.0346 0.1077 0.168 Uiso 1 1 calc R . .
H23C H -0.3226 0.9915 0.0022 0.168 Uiso 1 1 calc R . .
C24 C -0.212(2) 0.8456(17) 0.029(3) 0.164(18) Uani 1 1 d . . .
H24A H -0.1724 0.8024 0.0387 0.245 Uiso 1 1 calc R . .
H24B H -0.2408 0.8316 -0.0316 0.245 Uiso 1 1 calc R . .
H24C H -0.2469 0.8453 0.0854 0.245 Uiso 1 1 calc R . .
C25 C -0.0275(16) 0.8890(17) 0.002(3) 0.130(14) Uani 1 1 d . . .
H25A H -0.0431 0.8351 0.0349 0.195 Uiso 1 1 calc R . .
H25B H 0.0183 0.9116 0.0341 0.195 Uiso 1 1 calc R . .
H25C H -0.0170 0.8773 -0.0678 0.195 Uiso 1 1 calc R . .
C26 C -0.0017(11) 1.096(2) 0.003(3) 0.115(12) Uani 1 1 d . . .
H26A H 0.0354 1.0602 -0.0317 0.172 Uiso 1 1 calc R . .
H26B H 0.0171 1.1091 0.0699 0.172 Uiso 1 1 calc R . .
H26C H -0.0094 1.1504 -0.0331 0.172 Uiso 1 1 calc R . .
C27 C -0.3016(8) 0.9556(10) -0.2087(12) 0.035(3) Uani 1 1 d . . .
H27 H -0.2753 0.9022 -0.2022 0.042 Uiso 1 1 calc R . .
C28 C -0.3823(10) 0.9554(10) -0.2282(16) 0.045(4) Uani 1 1 d . . .
H28 H -0.4086 0.9021 -0.2359 0.054 Uiso 1 1 calc R . .
C29 C -0.4210(9) 1.0337(10) -0.2356(15) 0.040(4) Uani 1 1 d . . .
H29 H -0.4738 1.0341 -0.2498 0.048 Uiso 1 1 calc R . .
C30 C -0.3817(9) 1.1132(8) -0.2219(12) 0.040(3) Uani 1 1 d . . .
C31 C -0.4248(9) 1.1940(10) -0.231(2) 0.073(6) Uani 1 1 d . . .
H31 H -0.4772 1.1912 -0.2468 0.087 Uiso 1 1 calc R . .
C32 C -0.2992(8) 1.1075(11) -0.2071(13) 0.044(4) Uani 1 1 d . . .

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 _atom_site_aniso_U_22
 _atom_site_aniso_U_33
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 _atom_site_aniso_U_13
 _atom_site_aniso_U_12
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Rh2 0.0246(7) 0.0386(6) 0.0288(8) 0.0020(8) -0.0030(5) -0.0056(4)
Cl1 0.061(2) 0.0394(19) 0.046(3) -0.0140(18) -0.007(2) -0.0032(17)
Cl2 0.107(4) 0.0364(19) 0.043(3) 0.012(2) -0.012(3) -0.004(2)
Cl3 0.0382(18) 0.046(2) 0.065(3) -0.017(2) -0.007(3) 0.0105(16)
Cl4 0.083(3) 0.045(2) 0.053(3) 0.014(2) 0.016(3) 0.007(2)
O1 0.082(10) 0.036(7) 0.30(3) 0.020(13) -0.008(17) 0.010(8)
O2 0.062(8) 0.048(7) 0.171(18) -0.025(10) -0.040(10) 0.008(6)
N1 0.029(6) 0.043(7) 0.033(7) 0.007(6) -0.004(6) -0.004(5)
N2 0.055(9) 0.030(7) 0.165(19) -0.026(9) 0.022(11) -0.011(7)
N3 0.071(10) 0.029(6) 0.035(7) -0.003(6) 0.004(7) 0.000(7)
N4 0.042(6) 0.023(6) 0.092(11) 0.003(6) -0.015(7) 0.003(5)
```

```
C1 0.054(10) 0.052(9) 0.037(10) -0.013(8) 0.008(9) 0.016(8)
C2 0.069(11) 0.073(12) 0.022(9) -0.023(9) 0.000(9) -0.051(10)
C3 0.056(10) 0.056(10) 0.023(8) 0.003(8) -0.017(9) 0.032(8)
C4 0.038(8) 0.043(8) 0.026(8) 0.007(6) 0.006(8) -0.007(6)
C5 -0.007(6) 0.17(2) 0.035(14) -0.005(10) 0.002(6) 0.022(7)
C6 0.36(5) 0.073(16) 0.09(2) -0.003(15) -0.01(3) 0.15(3)
C7 0.13(2) 0.19(2) 0.041(12) -0.039(15) 0.033(13) -0.15(2)
C8 0.087(17) 0.123(18) 0.048(12) 0.027(14) 0.011(13) 0.066(15)
C9 0.20(3) 0.076(13) 0.038(11) -0.028(10) 0.023(15) -0.078(17)
C10 0.036(14) 0.36(6) 0.030(14) 0.014(16) -0.002(10) 0.036(17)
C11 0.075(12) 0.040(9) 0.038(9) 0.009(8) -0.012(9) 0.014(8)
C12 0.041(8) 0.076(11) 0.017(7) -0.008(8) 0.001(8) -0.018(9)
C13 0.047(9) 0.049(9) 0.040(10) 0.026(10) 0.004(9) 0.006(7)
C14 0.012(5) 0.087(12) 0.041(8) -0.023(9) 0.009(7) 0.002(7)
C15 0.058(10) 0.050(10) 0.120(19) 0.008(13) 0.024(14) 0.015(8)
C16 0.054(9) 0.023(7) 0.050(9) 0.003(6) 0.020(8) 0.011(6)
C17 0.056(11) 0.060(11) 0.023(9) -0.021(8) 0.003(7) 0.002(8)
C18 0.064(12) 0.064(10) 0.006(7) 0.006(6) 0.011(8) 0.005(8)
C19 0.095(15) 0.067(12) 0.016(8) 0.003(8) 0.005(10) -0.040(12)
C20 0.044(9) 0.034(7) 0.032(9) 0.005(7) -0.016(8) 0.014(7)
C21 0.036(8) 0.068(11) 0.028(9) -0.010(9) -0.019(8) 0.004(9)
C22 0.15(2) 0.044(10) 0.045(12) -0.004(8) 0.000(13) 0.020(11)
C23 0.034(11) 0.27(3) 0.035(13) 0.02(2) 0.024(9) -0.025(16)
C24 0.27(5) 0.11(2) 0.11(3) 0.01(2) 0.02(3) -0.13(3)
C25 0.15(3) 0.12(2) 0.12(2) 0.00(2) -0.06(2) 0.11(2)
C26 0.033(10) 0.18(3) 0.13(3) -0.07(2) 0.013(14) -0.031(14)
C27 0.036(8) 0.038(7) 0.032(8) 0.012(6) 0.008(6) -0.016(6)
C28 0.051(9) 0.026(7) 0.059(12) -0.018(8) -0.008(10) -0.006(7)
C29 0.026(7) 0.039(7) 0.054(10) 0.018(8) 0.002(9) 0.002(6)
C30 0.051(8) 0.018(6) 0.051(9) -0.006(6) 0.007(8) 0.007(6)
C31 0.036(8) 0.050(10) 0.132(18) 0.012(12) 0.031(13) 0.016(7)
C32 0.029(7) 0.053(9) 0.049(9) 0.015(8) 0.001(7) -0.009(7)

_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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 _geom_bond_atom_site_label_2
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 _geom_bond_site_symmetry_2
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Rh1 C3 2.123(19) . ?
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Rh1 C4 2.123(19) . ?
Rh1 N1 2.159(13) . ?
Rh1 C2 2.160(19) . ?
Rh1 C5 2.18(2) . ?
Rh1 Cl2 2.404(5) . ?
Rh1 Cl1 2.451(4) . ?
Rh2 C19 2.139(17) . ?
Rh2 C18 2.147(19) . ?
Rh2 C20 2.167(16) . ?
Rh2 C21 2.169(16) . ?
Rh2 C17 2.193(17) . ?
Rh2 N3 2.248(15) . ?
Rh2 Cl3 2.370(5) . ?
Rh2 Cl4 2.428(5) . ?
O1 C15 1.26(2) . ?
O2 C31 1.28(2) . ?
N1 C11 1.30(2) . ?
N1 C16 1.365(17) . ?
N2 C16 1.355(18) . ?
N2 H2A 0.8600 . ?
N2 H2B 0.8600 . ?
N3 C27 1.29(2) . ?
N3 C32 1.33(2) . ?
N4 C32 1.376(18) . ?
N4 H4A 0.8600 . ?
N4 H4B 0.8600 . ?
C1 C5 1.41(3) . ?
C1 C6 1.45(2) . ?
C1 C2 1.49(3) . ?
C2 C7 1.44(2) . ?
C2 C3 1.44(3) . ?
C3 C4 1.44(2) . ?
C3 C8 1.47(2) . ?
C4 C9 1.46(2) . ?
C4 C5 1.46(2) . ?
C5 C10 1.55(2) . ?
C6 H6A 0.9600 . ?
C6 H6B 0.9600 . ?
C6 H6C 0.9600 . ?
C7 H7A 0.9600 . ?
C7 H7B 0.9600 . ?
C7 H7C 0.9600 . ?
C8 H8A 0.9600 . ?
C8 H8B 0.9600 . ?
C8 H8C 0.9600 . ?
C9 H9A 0.9600 . ?
C9 H9B 0.9600 . ?
C9 H9C 0.9600 . ?
C10 H10A 0.9726 . ?
C10 H10B 0.9724 . ?
C10 H10C 0.9722 . ?
C11 C12 1.50(2) . ?
C11 H11 0.9300 . ?
C12 C13 1.38(3) . ?
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C12 H12 0.9300 . ?
C13 C14 1.28(2) . ?
C13 H13 0.9300 . ?
C14 C16 1.453(19) . ?
C14 C15 1.47(2) . ?
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C17 C18 1.39(2) . ?
C17 C22 1.51(2) . ?
C18 C19 1.35(3) . ?
C18 C23 1.49(2) . ?
C19 C20 1.47(2) . ?
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C20 C21 1.35(3) . ?
C20 C25 1.50(2) . ?
C21 C26 1.59(3) . ?
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C23 H23B 0.9601 . ?
C23 H23C 0.9601 . ?
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C24 H24B 0.9604 . ?
C24 H24C 0.9604 . ?
C25 H25A 0.9601 . ?
C25 H25B 0.9601 . ?
C25 H25C 0.9601 . ?
C26 H26A 0.9600 . ?
C26 H26B 0.9600 . ?
C26 H26C 0.9600 . ?
C27 C28 1.42(2) . ?
C27 H27 0.9300 . ?
C28 C29 1.36(2) . ?
C28 H28 0.9300 . ?
C29 C30 1.39(2) . ?
C29 H29 0.9300 . ?
C30 C31 1.434(18) . ?
C30 C32 1.44(2) . ?
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C3 Rh1 N1 151.8(6) . . ?
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C3 Rh1 C2 39.4(8) . . ?
C4 Rh1 C2 67.1(6) . . ?
N1 Rh1 C2 144.5(7) . . ?
C1 Rh1 C5 38.3(7) . . ?
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C4 Rh1 C5 39.5(7) . . ?
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C2 Rh1 C5 65.9(7) . . ?
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C4 Rh1 Cl2 96.7(5) . . ?
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C5 Rh1 Cl2 132.2(6) . . ?
C1 Rh1 Cl1 101.3(5) . . ?
C3 Rh1 Cl1 115.8(6) . . ?
C4 Rh1 Cl1 154.9(4) . . ?
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C5 Rh1 Cl1 138.4(6) . . ?
Cl2 Rh1 Cl1 89.2(2) . . ?
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C19 Rh2 C20 39.9(7) . . ?
C18 Rh2 C20 63.4(7) . . ?
C19 Rh2 C21 63.1(7) . . ?
C18 Rh2 C21 62.5(8) . . ?
C20 Rh2 C21 36.2(8) . . ?
C19 Rh2 C17 62.1(8) . . ?
C18 Rh2 C17 37.4(7) . . ?
C20 Rh2 C17 61.6(7) . . ?
C21 Rh2 C17 36.8(6) . . ?
C19 Rh2 N3 107.5(8) . . ?
C18 Rh2 N3 90.0(7) . . ?
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C21 Rh2 N3 145.8(6) . . ?
C17 Rh2 N3 109.0(6) . . ?
C19 Rh2 Cl3 102.6(6) . . ?
C18 Rh2 Cl3 135.4(5) . . ?
C20 Rh2 Cl3 98.0(5) . . ?
C21 Rh2 Cl3 125.7(5) . . ?
C17 Rh2 Cl3 159.6(5) . . ?
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C18 Rh2 Cl4 134.0(5) . . ?
C20 Rh2 Cl4 121.3(5) . . ?
C21 Rh2 Cl4 94.7(6) . . ?
C17 Rh2 Cl4 100.3(5) . . ?
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C11 N1 Rh1 112.0(12) . . ?
C16 N1 Rh1 125.0(10) . . ?
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C32 N3 Rh2 123.0(11) . . ?
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C32 N4 H4B 120.0 . . ?
H4A N4 H4B 120.0 . . ?
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C2 C1 Rh1 71.9(12) . . ?
C7 C2 C3 130(2) . . ?
C7 C2 C1 125(2) . . ?
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C1 C2 Rh1 67.2(11) . . ?
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C3 C4 C5 106.6(14) . . ?
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H6A C6 H6C 109.5 . . ?
H6B C6 H6C 109.5 . . ?
C2 C7 H7A 109.5 . . ?
C2 C7 H7B 109.4 . . ?
H7A C7 H7B 109.5 . . ?
C2 C7 H7C 109.5 . . ?
H7A C7 H7C 109.5 . . ?
H7B C7 H7C 109.5 . . ?
C3 C8 H8A 109.4 . . ?
C3 C8 H8B 109.5 . . ?
H8A C8 H8B 109.5 . . ?
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H8B C8 H8C 109.5 . . ?
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H9A C9 H9B 109.5 . . ?
C4 C9 H9C 109.5 . . ?
H9A C9 H9C 109.5 . . ?
H9B C9 H9C 109.5 . . ?
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C5 C10 H10B 110.7 . . ?
H10A C10 H10B 108.2 . . ?
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H10B C10 H10C 108.2 . . ?
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N1 C11 H11 118.2 . . ?
C12 C11 H11 118.1 . . ?
C13 C12 C11 110.7(16) . . ?
C13 C12 H12 124.7 . . ?
C11 C12 H12 124.6 . . ?
C14 C13 C12 128.1(17) . . ?
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C12 C13 H13 115.9 . . ?
C13 C14 C16 118.5(16) . . ?
C13 C14 C15 123.6(14) . . ?
C16 C14 C15 117.7(16) . . ?
O1 C15 C14 127.3(17) . . ?
O1 C15 H15 116.3 . . ?
C14 C15 H15 116.4 . . ?
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N1 C16 C14 118.4(14) . . ?
C21 C17 C18 107.8(17) . . ?
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C18 C17 C22 127.9(18) . . ?
C21 C17 Rh2 70.7(10) . . ?
C18 C17 Rh2 69.5(11) . . ?
C22 C17 Rh2 124.8(15) . . ?
C19 C18 C17 109.0(18) . . ?
C19 C18 C23 126(2) . . ?
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C20 C19 Rh2 71.0(10) . . ?
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C21 C20 C25 125.5(18) . . ?
C19 C20 C25 128.1(19) . . ?
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C26 C21 Rh2 123.1(17) . . ?
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H25B C25 H25C 109.5 . . ?
C21 C26 H26A 109.5 . . ?
C21 C26 H26B 109.5 . . ?
H26A C26 H26B 109.5 . . ?
C21 C26 H26C 109.5 . . ?
H26A C26 H26C 109.5 . . ?
H26B C26 H26C 109.5 . . ?
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N3 C27 H27 119.8 . . ?
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C27 C28 H28 120.2 . . ?
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C28 C29 H29 120.0 . . ?
C30 C29 H29 120.0 . . ?
C29 C30 C31 118.0(15) . . ?
C29 C30 C32 116.7(13) . . ?
C31 C30 C32 125.1(14) . . ?
O2 C31 C30 121.9(16) . . ?
O2 C31 H31 119.0 . . ?
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C17 Rh2 N3 C27 -117.3(11) . . . . ?
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Cl4 Rh2 N3 C27 141.6(10) . . . . ?
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C18 Rh2 N3 C32 75.1(14) . . . . ?
C20 Rh2 N3 C32 109.0(15) . . . . ?
C21 Rh2 N3 C32 40.3(19) . . . . ?
C17 Rh2 N3 C32 42.2(15) . . . . ?
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Cl4 Rh2 N3 C32 -58.9(13) . . . . ?
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C4 Rh1 C1 C6 158(3) . . . . ?
N1 Rh1 C1 C6 50(3) . . . . ?
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C5 Rh1 C1 C6 122(3) . . . . ?
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Cl1 Rh1 C1 C6 -45(3) . . . . ?
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C4 Rh1 C1 C2 -81.3(9) . . . . ?
N1 Rh1 C1 C2 170.6(9) . . . . ?
C5 Rh1 C1 C2 -117.0(13) . . . . ?
Cl2 Rh1 C1 C2 -45(2) . . . . ?
Cl1 Rh1 C1 C2 75.5(9) . . . . ?
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C6 C1 C2 C7 0(4) . . . . ?
Rh1 C1 C2 C7 -124(2) . . . . ?
C5 C1 C2 C3 -6(2) . . . . ?
C6 C1 C2 C3 -177(2) . . . . ?
Rh1 C1 C2 C3 59.1(9) . . . . ?
C5 C1 C2 Rh1 -65.3(18) . . . . ?
C6 C1 C2 Rh1 124(3) . . . . ?
C1 Rh1 C2 C7 118(3) . . . . ?
C3 Rh1 C2 C7 -125(3) . . . . ?
C4 Rh1 C2 C7 -162(3) . . . . ?
N1 Rh1 C2 C7 102(3) . . . . ?
C5 Rh1 C2 C7 155(3) . . . . ?
Cl2 Rh1 C2 C7 -79(3) . . . . ?
Cl1 Rh1 C2 C7 9(3) . . . . ?
C1 Rh1 C2 C3 -117.2(11) . . . . ?
C4 Rh1 C2 C3 -36.7(8) . . . . ?
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Cl1 Rh1 C2 C3 134.5(8) . . . . ?
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C4 Rh1 C2 C1 80.5(11) . . . . ?
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C5 Rh1 C2 C1 37.3(10) . . . . ?
Cl2 Rh1 C2 C1 163.1(8) . . . . ?
Cl1 Rh1 C2 C1 -108.3(9) . . . . ?
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C1 C2 C3 C4 1.8(14) . . . . ?
Rh1 C2 C3 C4 59.8(12) . . . . ?
C7 C2 C3 C8 -3(2) . . . . ?
C1 C2 C3 C8 174(2) . . . . ?
Rh1 C2 C3 C8 -128.3(19) . . . . ?
C7 C2 C3 Rh1 125(2) . . . . ?
C1 C2 C3 Rh1 -57.9(12) . . . . ?
C1 Rh1 C3 C2 39.3(9) . . . . ?
C4 Rh1 C3 C2 120.5(12) . . . . ?
N1 Rh1 C3 C2 116.3(14) . . . . ?
C5 Rh1 C3 C2 81.3(10) . . . . ?
Cl2 Rh1 C3 C2 -143.2(8) . . . . ?
Cl1 Rh1 C3 C2 -52.4(8) . . . . ?
C1 Rh1 C3 C4 -81.2(11) . . . . ?
N1 Rh1 C3 C4 -4.2(17) . . . . ?
C2 Rh1 C3 C4 -120.5(12) . . . . ?
C5 Rh1 C3 C4 -39.1(10) . . . . ?
Cl2 Rh1 C3 C4 96.3(9) . . . . ?
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N1 Rh1 C3 C8 -121(2) . . . . ?
C2 Rh1 C3 C8 122(2) . . . . ?
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Cl2 Rh1 C3 C8 -21(2) . . . . ?
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Rh1 C3 C4 C9 -122(2) . . . . ?
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Rh1 C3 C4 C5 63.7(15) . . . . ?
C2 C3 C4 Rh1 -60.7(10) . . . . ?
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C1 Rh1 C4 C3 81.0(10) . . . . ?
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Cl1 Rh1 C4 C3 15.3(17) . . . . ?
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Cl1 Rh1 C4 C9 141.4(18) . . . . ?
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C3 Rh1 C4 C5 -115.7(14) . . . . ?
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Cl1 Rh1 C4 C5 -100.3(13) . . . . ?
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C6 C1 C5 C10 -6(4) . . . . ?
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C3 C4 C5 C10 178(2) . . . . ?
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Rh1 C4 C5 C10 -120(3) . . . . ?
C3 C4 C5 Rh1 -62.2(14) . . . . ?
C9 C4 C5 Rh1 123(2) . . . . ?
C3 Rh1 C5 C1 -83.2(11) . . . . ?
C4 Rh1 C5 C1 -122.5(14) . . . . ?
N1 Rh1 C5 C1 112.6(10) . . . . ?
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Cl1 Rh1 C5 C1 18.7(13) . . . . ?
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C3 Rh1 C5 C4 39.4(9) . . . . ?
N1 Rh1 C5 C4 -124.9(10) . . . . ?
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Cl1 Rh1 C5 C4 141.2(8) . . . . ?
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N1 Rh1 C5 C10 -7(2) . . . . ?
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C11 C12 C13 C14 -2(3) . . . . ?
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C19 Rh2 C17 C21 81.6(13) . . . . ?
C18 Rh2 C17 C21 118.5(18) . . . . ?
C20 Rh2 C17 C21 36.0(11) . . . . ?
N3 Rh2 C17 C21 -178.2(11) . . . . ?
Cl3 Rh2 C17 C21 37(2) . . . . ?
Cl4 Rh2 C17 C21 -84.1(12) . . . . ?
C19 Rh2 C17 C18 -36.9(12) . . . . ?
C20 Rh2 C17 C18 -82.5(12) . . . . ?
C21 Rh2 C17 C18 -118.5(18) . . . . ?
N3 Rh2 C17 C18 63.3(12) . . . . ?
Cl3 Rh2 C17 C18 -81.3(17) . . . . ?
Cl4 Rh2 C17 C18 157.4(10) . . . . ?
C19 Rh2 C17 C22 -159.5(19) . . . . ?
C18 Rh2 C17 C22 -123(2) . . . . ?
C20 Rh2 C17 C22 154.9(19) . . . . ?
C21 Rh2 C17 C22 119(2) . . . . ?
N3 Rh2 C17 C22 -59.3(18) . . . . ?
Cl3 Rh2 C17 C22 156.1(14) . . . . ?
Cl4 Rh2 C17 C22 34.8(17) . . . . ?
C21 C17 C18 C19 2(3) . . . . ?
C22 C17 C18 C19 -178.6(17) . . . . ?
Rh2 C17 C18 C19 62.7(14) . . . . ?
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C21 C17 C18 C23 178(2) . . . . ?
C22 C17 C18 C23 -3(4) . . . . ?
Rh2 C17 C18 C23 -122(2) . . . . ?
C21 C17 C18 Rh2 -60.6(14) . . . . ?
C22 C17 C18 Rh2 119(2) . . . . ?
C20 Rh2 C18 C19 -40.3(11) . . . . ?
C21 Rh2 C18 C19 -81.1(13) . . . . ?
C17 Rh2 C18 C19 -117.5(18) . . . . ?
N3 Rh2 C18 C19 120.1(13) . . . . ?
Cl3 Rh2 C18 C19 33.1(15) . . . . ?
Cl4 Rh2 C18 C19 -149.2(11) . . . . ?
C19 Rh2 C18 C17 117.5(18) . . . . ?
C20 Rh2 C18 C17 77.2(12) . . . . ?
C21 Rh2 C18 C17 36.4(11) . . . . ?
N3 Rh2 C18 C17 -122.4(11) . . . . ?
Cl3 Rh2 C18 C17 150.6(9) . . . . ?
Cl4 Rh2 C18 C17 -31.7(14) . . . . ?
C19 Rh2 C18 C23 -121(3) . . . . ?
C20 Rh2 C18 C23 -161(3) . . . . ?
C21 Rh2 C18 C23 158(3) . . . . ?
C17 Rh2 C18 C23 121(3) . . . . ?
N3 Rh2 C18 C23 -1(2) . . . . ?
Cl3 Rh2 C18 C23 -88(2) . . . . ?
Cl4 Rh2 C18 C23 90(2) . . . . ?
C17 C18 C19 C20 -1(2) . . . . ?
C23 C18 C19 C20 -177(2) . . . . ?
Rh2 C18 C19 C20 62.9(13) . . . . ?
C17 C18 C19 C24 173(2) . . . . ?
C23 C18 C19 C24 -3(4) . . . . ?
Rh2 C18 C19 C24 -124(3) . . . . ?
C17 C18 C19 Rh2 -63.8(15) . . . . ?
C23 C18 C19 Rh2 121(2) . . . . ?
C20 Rh2 C19 C18 115.7(16) . . . . ?
C21 Rh2 C19 C18 79.2(13) . . . . ?
C17 Rh2 C19 C18 37.6(12) . . . . ?
N3 Rh2 C19 C18 -65.1(13) . . . . ?
Cl3 Rh2 C19 C18 -156.9(11) . . . . ?
Cl4 Rh2 C19 C18 78(2) . . . . ?
C18 Rh2 C19 C20 -115.7(16) . . . . ?
C21 Rh2 C19 C20 -36.5(10) . . . . ?
C17 Rh2 C19 C20 -78.1(10) . . . . ?
N3 Rh2 C19 C20 179.2(9) . . . . ?
Cl3 Rh2 C19 C20 87.4(10) . . . . ?
Cl4 Rh2 C19 C20 -38(2) . . . . ?
C18 Rh2 C19 C24 125(3) . . . . ?
C20 Rh2 C19 C24 -119(3) . . . . ?
C21 Rh2 C19 C24 -155(3) . . . . ?
C17 Rh2 C19 C24 163(3) . . . . ?
N3 Rh2 C19 C24 60(3) . . . . ?
Cl3 Rh2 C19 C24 -31(3) . . . . ?
Cl4 Rh2 C19 C24 -156.7(19) . . . . ?
C18 C19 C20 C21 -0.6(18) . . . . ?
C24 C19 C20 C21 -175(2) . . . . ?
Rh2 C19 C20 C21 62.8(10) . . . . ?
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C18 C19 C20 C25 -180(2) . . . . ?
C24 C19 C20 C25 6(4) . . . . ?
Rh2 C19 C20 C25 -116(2) . . . . ?
C18 C19 C20 Rh2 -63.5(13) . . . . ?
C24 C19 C20 Rh2 123(2) . . . . ?
C19 Rh2 C20 C21 -116.1(14) . . . . ?
C18 Rh2 C20 C21 -79.0(11) . . . . ?
C17 Rh2 C20 C21 -36.7(10) . . . . ?
N3 Rh2 C20 C21 -117.6(12) . . . . ?
Cl3 Rh2 C20 C21 143.8(9) . . . . ?
Cl4 Rh2 C20 C21 48.2(10) . . . . ?
C18 Rh2 C20 C19 37.1(11) . . . . ?
C21 Rh2 C20 C19 116.1(14) . . . . ?
C17 Rh2 C20 C19 79.5(12) . . . . ?
N3 Rh2 C20 C19 -1.5(17) . . . . ?
Cl3 Rh2 C20 C19 -100.1(10) . . . . ?
Cl4 Rh2 C20 C19 164.3(10) . . . . ?
C19 Rh2 C20 C25 123(2) . . . . ?
C18 Rh2 C20 C25 160(2) . . . . ?
C21 Rh2 C20 C25 -121(2) . . . . ?
C17 Rh2 C20 C25 -158(2) . . . . ?
N3 Rh2 C20 C25 121.2(19) . . . . ?
Cl3 Rh2 C20 C25 22.6(19) . . . . ?
Cl4 Rh2 C20 C25 -73.0(19) . . . . ?
C19 C20 C21 C17 2.0(16) . . . . ?
C25 C20 C21 C17 -179(2) . . . . ?
Rh2 C20 C21 C17 62.8(12) . . . . ?
C19 C20 C21 C26 -179(2) . . . . ?
C25 C20 C21 C26 0(3) . . . . ?
Rh2 C20 C21 C26 -118(2) . . . . ?
C19 C20 C21 Rh2 -60.9(11) . . . . ?
C25 C20 C21 Rh2 118(2) . . . . ?
C18 C17 C21 C20 -3(2) . . . . ?
C22 C17 C21 C20 178.1(18) . . . . ?
Rh2 C17 C21 C20 -62.4(11) . . . . ?
C18 C17 C21 C26 178(2) . . . . ?
C22 C17 C21 C26 -1(3) . . . . ?
Rh2 C17 C21 C26 119(2) . . . . ?
C18 C17 C21 Rh2 59.8(14) . . . . ?
C22 C17 C21 Rh2 -119(2) . . . . ?
C19 Rh2 C21 C20 40.2(11) . . . . ?
C18 Rh2 C21 C20 81.8(10) . . . . ?
C17 Rh2 C21 C20 118.8(15) . . . . ?
N3 Rh2 C21 C20 121.8(12) . . . . ?
Cl3 Rh2 C21 C20 -46.2(10) . . . . ?
Cl4 Rh2 C21 C20 -140.3(8) . . . . ?
C19 Rh2 C21 C17 -78.6(13) . . . . ?
C18 Rh2 C21 C17 -37.0(11) . . . . ?
C20 Rh2 C21 C17 -118.8(15) . . . . ?
N3 Rh2 C21 C17 3.0(19) . . . . ?
Cl3 Rh2 C21 C17 -164.9(10) . . . . ?
Cl4 Rh2 C21 C17 100.9(12) . . . . ?
C19 Rh2 C21 C26 162.3(19) . . . . ?
C18 Rh2 C21 C26 -156.2(19) . . . . ?
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C20 Rh2 C21 C26 122(2) . . . . ?
C17 Rh2 C21 C26 -119(2) . . . . ?
N3 Rh2 C21 C26 -116.1(17) . . . . ?
Cl3 Rh2 C21 C26 75.9(18) . . . . ?
Cl4 Rh2 C21 C26 -18.3(17) . . . . ?
C32 N3 C27 C28 1(2) . . . . ?
Rh2 N3 C27 C28 160.8(13) . . . . ?
N3 C27 C28 C29 -1(2) . . . . ?
C27 C28 C29 C30 -1(2) . . . . ?
C28 C29 C30 C31 179.7(18) . . . . ?
C28 C29 C30 C32 4(2) . . . . ?
C29 C30 C31 O2 179(2) . . . . ?
C32 C30 C31 O2 -6(3) . . . . ?
C27 N3 C32 N4 178.3(14) . . . . ?
Rh2 N3 C32 N4 21(2) . . . . ?
C27 N3 C32 C30 2(2) . . . . ?
Rh2 N3 C32 C30 -155.3(12) . . . . ?
C29 C30 C32 N3 -4(2) . . . . ?
C31 C30 C32 N3 -179.7(19) . . . . ?
C29 C30 C32 N4 179.1(16) . . . . ?
C31 C30 C32 N4 4(3) . . . . ?

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_diffrn_reflns_theta_full              26.37
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_refine_diff_density_max    4.744
_refine_diff_density_min   -1.481
_refine_diff_density_rms    0.258
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