

data_p21c

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_chemical_name_systematic
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?
;
_chemical_name_common           ?
_chemical_melting_point        ?
_chemical_formula_moiety       ?
_chemical_formula_sum
'Cl6 H23 Cl2 N2 Rh'
_chemical_formula_weight       417.17
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_atom_type_symbol
_atom_type_description
_atom_type_scatter_dispersion_real
_atom_type_scatter_dispersion_imag
_atom_type_scatter_source
'C' 'C' 0.0033 0.0016
'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
'H' 'H' 0.0000 0.0000
'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
'N' 'N' 0.0061 0.0033
'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
'Cl' 'Cl' 0.1484 0.1585
'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
'Rh' 'Rh' -1.1178 0.9187
'International Tables Vol C Tables 4.2.6.8 and 6.1.1.4'
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_symmetry_cell_setting          Monoclinic
_symmetry_space_group_name_H-M  P21/c
_symmetry_space_group_name_Hall '-P 2ybc'
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loop_

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_symmetry_equiv_pos_as_xyz
'x, y, z'
'-x, y+1/2, -z+1/2'
'-x, -y, -z'
'x, -y-1/2, z-1/2'
```

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_cell_length_a                  11.912(2)
_cell_length_b                  8.4318(17)
_cell_length_c                  17.051(3)
_cell_angle_alpha               90.00
_cell_angle_beta                96.14(3)
_cell_angle_gamma               90.00
_cell_volume                    1702.7(6)
_cell_formula_units_Z           4
_cell_measurement_temperature    293(2)
_cell_measurement_reflns_used   ?
_cell_measurement_theta_min     ?
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_cell_measurement_theta_max      ?

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_exptl_crystal_colour           ?
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_exptl_crystal_density_meas     ?
_exptl_crystal_density_diffn    1.627
_exptl_crystal_density_method   'not measured'
_exptl_crystal_F_000            848
_exptl_absorpt_coefficient_mu   1.312
_exptl_absorpt_correction_type  ?
_exptl_absorpt_correction_T_min ?
_exptl_absorpt_correction_T_max ?
_exptl_absorpt_process_details  ?

_exptl_special_details
;
?
;

_diffn_ambient_temperature      293(2)
_diffn_radiation_wavelength     0.71073
_diffn_radiation_type           MoK\alpha
_diffn_radiation_source         'fine-focus sealed tube'
_diffn_radiation_monochromator  graphite
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_diffn_measurement_method      ?
_diffn_detector_area_resol_mean ?
_diffn_reflns_number            6347
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_diffn_reflns_limit_k_min      -10
_diffn_reflns_limit_k_max      5
_diffn_reflns_limit_l_min      -16
_diffn_reflns_limit_l_max      21
_diffn_reflns_theta_min        3.13
_diffn_reflns_theta_max        26.37
_reflns_number_total           3481
_reflns_number_gt              3010
_reflns_threshold_expression    >2sigma(I)

_computing_data_collection      ?
_computing_cell_refinement      ?
_computing_data_reduction       ?
_computing_structure_solution   'SHELXS-97 (Sheldrick, 2008)'
_computing_structure_refinement 'SHELXL-97 (Sheldrick, 2008)'
_computing_molecular_graphics   ?
_computing_publication_material ?

_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_structure_factor_coef Fsqd
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_refine_ls_weighting_scheme calc
_refine_ls_weighting_details
'calc w=1/[\s^2^(Fo^2^)+(0.0264P)^2^+0.5696P] where P=(Fo^2^+2Fc^2^)/3'
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_atom_sites_solution_secondary difmap
_atom_sites_solution_hydrogens geom
_refine_ls_hydrogen_treatment constr
_refine_ls_extinction_method none
_refine_ls_extinction_coef ?
_refine_ls_number_reflns 3481
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_refine_ls_restrained_S_all 1.055
_refine_ls_shift/su_max 0.001
_refine_ls_shift/su_mean 0.000

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_atom_site_adp_type
_atom_site_occupancy
_atom_site_symmetry_multiplicity
_atom_site_calc_flag
_atom_site_refinement_flags
_atom_site_disorder_assembly
_atom_site_disorder_group
Rh1 Rh 0.771451(17) 0.29440(2) 0.402708(12) 0.02396(8) Uani 1 1 d . . .
Cl2 Cl 0.72816(6) 0.54759(9) 0.46324(5) 0.03792(18) Uani 1 1 d . . .
Cl1 Cl 0.84994(6) 0.43425(10) 0.29846(5) 0.04127(19) Uani 1 1 d . . .

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N1 N 0.60990(18) 0.2840(3) 0.33118(13) 0.0265(5) Uani 1 1 d . . .
 N2 N 0.5046(2) 0.3384(3) 0.43503(14) 0.0362(6) Uani 1 1 d . . .
 H2 H 0.5010 0.2746 0.4836 0.043 Uiso 1 1 d R . .
 H1 H 0.5687 0.3919 0.4498 0.043 Uiso 1 1 d R . .
 C16 C 0.2984(3) 0.2423(4) 0.3486(2) 0.0416(8) Uani 1 1 d . . .
 H11A H 0.3054 0.1902 0.3989 0.062 Uiso 1 1 calc R . .
 H11B H 0.2415 0.1901 0.3136 0.062 Uiso 1 1 calc R . .
 H11C H 0.2773 0.3510 0.3550 0.062 Uiso 1 1 calc R . .
 C3 C 0.9250(2) 0.1572(4) 0.43081(19) 0.0370(7) Uani 1 1 d . . .
 C5 C 0.7774(2) 0.1556(3) 0.50852(17) 0.0322(6) Uani 1 1 d . . .
 C1 C 0.7469(2) 0.0562(3) 0.44249(17) 0.0308(6) Uani 1 1 d . . .
 C12 C 0.4092(2) 0.2355(3) 0.31441(17) 0.0296(6) Uani 1 1 d . . .
 C11 C 0.5087(2) 0.2880(3) 0.35972(16) 0.0262(6) Uani 1 1 d . . .
 C10 C 0.7134(3) 0.1840(4) 0.5775(2) 0.0502(9) Uani 1 1 d . . .
 H18A H 0.7171 0.2945 0.5911 0.075 Uiso 1 1 calc R . .
 H18B H 0.7457 0.1221 0.6215 0.075 Uiso 1 1 calc R . .
 H18C H 0.6360 0.1537 0.5643 0.075 Uiso 1 1 calc R . .
 C2 C 0.8363(2) 0.0603(3) 0.39228(18) 0.0339(7) Uani 1 1 d . . .
 C13 C 0.4181(3) 0.1783(3) 0.24003(18) 0.0352(7) Uani 1 1 d . . .
 H7 H 0.3545 0.1394 0.2097 0.042 Uiso 1 1 calc R . .
 C4 C 0.8889(3) 0.2186(3) 0.50120(19) 0.0360(7) Uani 1 1 d . . .
 C8 C 1.0361(3) 0.1865(4) 0.4006(3) 0.0572(10) Uani 1 1 d . . .
 H20A H 1.0816 0.0925 0.4072 0.086 Uiso 1 1 calc R . .
 H20B H 1.0740 0.2722 0.4296 0.086 Uiso 1 1 calc R . .
 H20C H 1.0243 0.2138 0.3457 0.086 Uiso 1 1 calc R . .
 C14 C 0.5220(3) 0.1785(4) 0.21000(17) 0.0361(7) Uani 1 1 d . . .
 H8 H 0.5284 0.1423 0.1592 0.043 Uiso 1 1 calc R . .
 C15 C 0.6142(2) 0.2325(3) 0.25638(17) 0.0307(6) Uani 1 1 d . . .
 H9 H 0.6833 0.2341 0.2357 0.037 Uiso 1 1 calc R . .
 C9 C 0.9542(3) 0.3218(4) 0.5616(2) 0.0576(10) Uani 1 1 d . . .
 H19A H 1.0275 0.3431 0.5455 0.086 Uiso 1 1 calc R . .
 H19B H 0.9622 0.2685 0.6116 0.086 Uiso 1 1 calc R . .
 H19C H 0.9146 0.4199 0.5662 0.086 Uiso 1 1 calc R . .
 C6 C 0.6404(3) -0.0384(4) 0.4269(2) 0.0441(8) Uani 1 1 d . . .
 H17A H 0.5862 -0.0017 0.4605 0.066 Uiso 1 1 calc R . .
 H17B H 0.6565 -0.1484 0.4374 0.066 Uiso 1 1 calc R . .
 H17C H 0.6104 -0.0258 0.3727 0.066 Uiso 1 1 calc R . .
 C7 C 0.8401(3) -0.0332(4) 0.3185(2) 0.0573(10) Uani 1 1 d . . .
 H21A H 0.7652 -0.0423 0.2917 0.086 Uiso 1 1 calc R . .
 H21B H 0.8695 -0.1371 0.3313 0.086 Uiso 1 1 calc R . .
 H21C H 0.8879 0.0195 0.2848 0.086 Uiso 1 1 calc R . .

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 _atom_site_aniso_U_33
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 _atom_site_aniso_U_13
 _atom_site_aniso_U_12

Rh1 0.02098(13) 0.02591(13) 0.02466(12) 0.00129(9) 0.00095(8) 0.00140(9)
 C12 0.0356(4) 0.0308(4) 0.0468(4) -0.0094(3) 0.0015(3) 0.0019(3)
 C11 0.0325(4) 0.0515(5) 0.0403(4) 0.0135(4) 0.0062(3) -0.0036(3)
 N1 0.0222(12) 0.0314(13) 0.0253(12) 0.0003(10) -0.0005(9) 0.0009(10)

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N2 0.0315(14) 0.0485(16) 0.0290(13) -0.0059(12) 0.0052(10) -0.0070(12)
C16 0.0270(16) 0.055(2) 0.0420(18) -0.0027(16) 0.0018(13) -0.0050(14)
C3 0.0266(15) 0.0401(17) 0.0440(18) 0.0112(15) 0.0030(13) 0.0106(13)
C5 0.0362(16) 0.0301(15) 0.0305(15) 0.0072(13) 0.0040(12) 0.0059(13)
C1 0.0333(16) 0.0242(14) 0.0346(16) 0.0056(13) 0.0022(12) 0.0069(12)
C12 0.0276(15) 0.0284(14) 0.0327(15) 0.0030(12) 0.0018(12) -0.0025(12)
C11 0.0245(14) 0.0253(14) 0.0289(14) 0.0012(12) 0.0034(11) -0.0001(11)
C10 0.068(2) 0.051(2) 0.0333(18) 0.0053(16) 0.0131(16) 0.0054(18)
C2 0.0330(16) 0.0316(16) 0.0370(16) 0.0024(13) 0.0035(12) 0.0090(13)
C13 0.0304(16) 0.0368(17) 0.0365(16) -0.0005(14) -0.0042(12) -0.0073(13)
C4 0.0322(17) 0.0327(16) 0.0402(17) 0.0089(14) -0.0093(13) 0.0025(13)
C8 0.0290(18) 0.063(2) 0.081(3) 0.017(2) 0.0122(18) 0.0116(17)
C14 0.0392(17) 0.0429(18) 0.0255(15) -0.0069(13) 0.0004(12) -0.0021(14)
C15 0.0286(16) 0.0379(16) 0.0261(14) -0.0004(13) 0.0048(12) 0.0021(13)
C9 0.057(2) 0.059(2) 0.050(2) -0.0008(19) -0.0248(18) -0.0026(18)
C6 0.045(2) 0.0313(16) 0.055(2) 0.0053(15) 0.0032(16) -0.0082(15)
C7 0.069(3) 0.053(2) 0.050(2) -0.0142(19) 0.0069(18) 0.0230(19)

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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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loop_

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Rh1 C2 2.134(3) . ?
Rh1 C5 2.145(3) . ?
Rh1 C1 2.150(3) . ?
Rh1 C4 2.164(3) . ?
Rh1 N1 2.167(2) . ?
Rh1 C3 2.173(3) . ?
Rh1 C11 2.4040(9) . ?
Rh1 C12 2.4501(8) . ?
N1 C11 1.348(3) . ?
N1 C15 1.353(4) . ?
N2 C11 1.358(4) . ?
N2 H2 0.9920 . ?
N2 H1 0.8999 . ?
C16 C12 1.500(4) . ?
C16 H11A 0.9600 . ?
C16 H11B 0.9600 . ?
C16 H11C 0.9600 . ?

```

C3 C4 1.415(4) . ?
C3 C2 1.437(4) . ?
C3 C8 1.491(4) . ?
C5 C1 1.420(4) . ?
C5 C4 1.448(4) . ?
C5 C10 1.488(4) . ?
C1 C2 1.437(4) . ?
C1 C6 1.497(4) . ?
C12 C13 1.372(4) . ?
C12 C11 1.414(4) . ?
C10 H18A 0.9600 . ?
C10 H18B 0.9600 . ?
C10 H18C 0.9600 . ?
C2 C7 1.490(4) . ?
C13 C14 1.389(4) . ?
C13 H7 0.9300 . ?
C4 C9 1.500(4) . ?
C8 H20A 0.9600 . ?
C8 H20B 0.9600 . ?
C8 H20C 0.9600 . ?
C14 C15 1.361(4) . ?
C14 H8 0.9300 . ?
C15 H9 0.9300 . ?
C9 H19A 0.9600 . ?
C9 H19B 0.9600 . ?
C9 H19C 0.9600 . ?
C6 H17A 0.9600 . ?
C6 H17B 0.9600 . ?
C6 H17C 0.9600 . ?
C7 H21A 0.9600 . ?
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C7 H21C 0.9600 . ?

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C2 Rh1 C5 65.53(11) . . ?
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C5 Rh1 C1 38.60(11) . . ?
C2 Rh1 C4 65.26(12) . . ?
C5 Rh1 C4 39.26(11) . . ?
C1 Rh1 C4 65.03(11) . . ?
C2 Rh1 N1 102.91(10) . . ?
C5 Rh1 N1 113.51(10) . . ?
C1 Rh1 N1 89.83(10) . . ?
C4 Rh1 N1 152.40(10) . . ?
C2 Rh1 C3 38.97(11) . . ?
C5 Rh1 C3 64.71(11) . . ?
C1 Rh1 C3 64.73(11) . . ?

C4 Rh1 C3 38.08(12) . . ?
N1 Rh1 C3 141.09(11) . . ?
C2 Rh1 C11 102.66(8) . . ?
C5 Rh1 C11 155.34(8) . . ?
C1 Rh1 C11 140.20(8) . . ?
C4 Rh1 C11 116.64(9) . . ?
N1 Rh1 C11 89.76(7) . . ?
C3 Rh1 C11 92.26(8) . . ?
C2 Rh1 C12 159.30(8) . . ?
C5 Rh1 C12 96.35(8) . . ?
C1 Rh1 C12 129.74(8) . . ?
C4 Rh1 C12 94.49(9) . . ?
N1 Rh1 C12 93.33(6) . . ?
C3 Rh1 C12 125.51(9) . . ?
C11 Rh1 C12 90.00(3) . . ?
C11 N1 C15 118.2(2) . . ?
C11 N1 Rh1 124.79(19) . . ?
C15 N1 Rh1 115.01(18) . . ?
C11 N2 H2 128.9 . . ?
C11 N2 H1 107.9 . . ?
H2 N2 H1 98.5 . . ?
C12 C16 H11A 109.5 . . ?
C12 C16 H11B 109.5 . . ?
H11A C16 H11B 109.5 . . ?
C12 C16 H11C 109.5 . . ?
H11A C16 H11C 109.5 . . ?
H11B C16 H11C 109.5 . . ?
C4 C3 C2 108.7(3) . . ?
C4 C3 C8 126.4(3) . . ?
C2 C3 C8 124.9(3) . . ?
C4 C3 Rh1 70.62(16) . . ?
C2 C3 Rh1 69.03(16) . . ?
C8 C3 Rh1 126.4(2) . . ?
C1 C5 C4 107.9(3) . . ?
C1 C5 C10 127.7(3) . . ?
C4 C5 C10 124.2(3) . . ?
C1 C5 Rh1 70.89(16) . . ?
C4 C5 Rh1 71.08(16) . . ?
C10 C5 Rh1 127.1(2) . . ?
C5 C1 C2 108.3(3) . . ?
C5 C1 C6 126.6(3) . . ?
C2 C1 C6 125.1(3) . . ?
C5 C1 Rh1 70.51(16) . . ?
C2 C1 Rh1 69.79(16) . . ?
C6 C1 Rh1 125.6(2) . . ?
C13 C12 C11 118.2(3) . . ?
C13 C12 C16 122.0(3) . . ?
C11 C12 C16 119.8(3) . . ?
N1 C11 N2 118.2(2) . . ?
N1 C11 C12 121.6(3) . . ?
N2 C11 C12 120.1(3) . . ?
C5 C10 H18A 109.5 . . ?
C5 C10 H18B 109.5 . . ?
H18A C10 H18B 109.5 . . ?

C5 C10 H18C 109.5 . . ?
H18A C10 H18C 109.5 . . ?
H18B C10 H18C 109.5 . . ?
C1 C2 C3 107.3(3) . . ?
C1 C2 C7 125.5(3) . . ?
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C3 C4 C9 127.7(3) . . ?
C5 C4 C9 124.5(3) . . ?
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C5 C4 Rh1 69.66(16) . . ?
C9 C4 Rh1 127.3(2) . . ?
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H20A C8 H20B 109.5 . . ?
C3 C8 H20C 109.5 . . ?
H20A C8 H20C 109.5 . . ?
H20B C8 H20C 109.5 . . ?
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N1 C15 C14 123.1(3) . . ?
N1 C15 H9 118.5 . . ?
C14 C15 H9 118.5 . . ?
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H19A C9 H19C 109.5 . . ?
H19B C9 H19C 109.5 . . ?
C1 C6 H17A 109.5 . . ?
C1 C6 H17B 109.5 . . ?
H17A C6 H17B 109.5 . . ?
C1 C6 H17C 109.5 . . ?
H17A C6 H17C 109.5 . . ?
H17B C6 H17C 109.5 . . ?
C2 C7 H21A 109.5 . . ?
C2 C7 H21B 109.5 . . ?
H21A C7 H21B 109.5 . . ?
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H21B C7 H21C 109.5 . . ?

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C5 Rh1 N1 C11 41.1(2) . . . . ?
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C4 Rh1 N1 C11 49.0(3) . . . . ?
C3 Rh1 N1 C11 119.5(2) . . . . ?
C11 Rh1 N1 C11 -147.2(2) . . . . ?
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C2 Rh1 N1 C15 -53.9(2) . . . . ?
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N1 Rh1 C3 C2 -15.0(3) . . . . ?
C11 Rh1 C3 C2 -107.45(17) . . . . ?
C12 Rh1 C3 C2 160.93(14) . . . . ?
C2 Rh1 C3 C8 118.6(4) . . . . ?
C5 Rh1 C3 C8 -159.7(4) . . . . ?
C1 Rh1 C3 C8 157.4(3) . . . . ?
C4 Rh1 C3 C8 -121.5(4) . . . . ?
N1 Rh1 C3 C8 103.6(3) . . . . ?
C11 Rh1 C3 C8 11.2(3) . . . . ?
C12 Rh1 C3 C8 -80.4(3) . . . . ?
C2 Rh1 C5 C1 -37.37(16) . . . . ?
C4 Rh1 C5 C1 -117.6(2) . . . . ?
N1 Rh1 C5 C1 56.63(18) . . . . ?
C3 Rh1 C5 C1 -80.51(18) . . . . ?
C11 Rh1 C5 C1 -102.9(2) . . . . ?
C12 Rh1 C5 C1 153.06(15) . . . . ?
C2 Rh1 C5 C4 80.23(18) . . . . ?
C1 Rh1 C5 C4 117.6(2) . . . . ?
N1 Rh1 C5 C4 174.23(16) . . . . ?
C3 Rh1 C5 C4 37.09(18) . . . . ?
C11 Rh1 C5 C4 14.7(3) . . . . ?
C12 Rh1 C5 C4 -89.33(16) . . . . ?
C2 Rh1 C5 C10 -160.7(3) . . . . ?
C1 Rh1 C5 C10 -123.4(4) . . . . ?
C4 Rh1 C5 C10 119.0(4) . . . . ?

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N1 Rh1 C5 C10 -66.7(3) ?
C3 Rh1 C5 C10 156.1(3) ?
C11 Rh1 C5 C10 133.7(2) ?
C12 Rh1 C5 C10 29.7(3) ?
C4 C5 C1 C2 -2.0(3) ?
C10 C5 C1 C2 -177.6(3) ?
Rh1 C5 C1 C2 59.78(19) ?
C4 C5 C1 C6 177.7(3) ?
C10 C5 C1 C6 2.1(5) ?
Rh1 C5 C1 C6 -120.5(3) ?
C4 C5 C1 Rh1 -61.8(2) ?
C10 C5 C1 Rh1 122.6(3) ?
C2 Rh1 C1 C5 119.0(2) ?
C4 Rh1 C1 C5 38.21(17) ?
N1 Rh1 C1 C5 -130.02(17) ?
C3 Rh1 C1 C5 80.45(18) ?
C11 Rh1 C1 C5 140.55(14) ?
C12 Rh1 C1 C5 -35.8(2) ?
C5 Rh1 C1 C2 -119.0(2) ?
C4 Rh1 C1 C2 -80.84(19) ?
N1 Rh1 C1 C2 110.93(17) ?
C3 Rh1 C1 C2 -38.60(17) ?
C11 Rh1 C1 C2 21.5(2) ?
C12 Rh1 C1 C2 -154.88(14) ?
C2 Rh1 C1 C6 -119.3(3) ?
C5 Rh1 C1 C6 121.6(3) ?
C4 Rh1 C1 C6 159.8(3) ?
N1 Rh1 C1 C6 -8.4(3) ?
C3 Rh1 C1 C6 -157.9(3) ?
C11 Rh1 C1 C6 -97.8(3) ?
C12 Rh1 C1 C6 85.8(3) ?
C15 N1 C11 N2 179.4(3) ?
Rh1 N1 C11 N2 16.2(3) ?
C15 N1 C11 C12 2.0(4) ?
Rh1 N1 C11 C12 -161.3(2) ?
C13 C12 C11 N1 0.6(4) ?
C16 C12 C11 N1 -179.9(3) ?
C13 C12 C11 N2 -176.8(3) ?
C16 C12 C11 N2 2.6(4) ?
C5 C1 C2 C3 3.1(3) ?
C6 C1 C2 C3 -176.7(3) ?
Rh1 C1 C2 C3 63.3(2) ?
C5 C1 C2 C7 177.2(3) ?
C6 C1 C2 C7 -2.6(5) ?
Rh1 C1 C2 C7 -122.6(3) ?
C5 C1 C2 Rh1 -60.23(19) ?
C6 C1 C2 Rh1 120.0(3) ?
C4 C3 C2 C1 -3.0(3) ?
C8 C3 C2 C1 176.9(3) ?
Rh1 C3 C2 C1 -62.66(19) ?
C4 C3 C2 C7 -177.0(3) ?
C8 C3 C2 C7 2.9(5) ?
Rh1 C3 C2 C7 123.4(3) ?
C4 C3 C2 Rh1 59.7(2) ?

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C5 Rh1 C2 C1 36.82(17) ?
C4 Rh1 C2 C1 80.18(18) ?
N1 Rh1 C2 C1 -73.39(18) ?
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C11 Rh1 C2 C3 77.68(17) ?
C12 Rh1 C2 C3 -48.8(3) ?
C5 Rh1 C2 C7 157.5(3) ?
C1 Rh1 C2 C7 120.7(4) ?
C4 Rh1 C2 C7 -159.1(3) ?
N1 Rh1 C2 C7 47.3(3) ?
C3 Rh1 C2 C7 -123.1(4) ?
C11 Rh1 C2 C7 -45.4(3) ?
C12 Rh1 C2 C7 -171.9(2) ?
C11 C12 C13 C14 -2.4(4) ?
C16 C12 C13 C14 178.2(3) ?
C2 C3 C4 C5 1.8(3) ?
C8 C3 C4 C5 -178.1(3) ?
Rh1 C3 C4 C5 60.5(2) ?
C2 C3 C4 C9 178.2(3) ?
C8 C3 C4 C9 -1.7(5) ?
Rh1 C3 C4 C9 -123.1(3) ?
C2 C3 C4 Rh1 -58.7(2) ?
C8 C3 C4 Rh1 121.4(3) ?
C1 C5 C4 C3 0.1(3) ?
C10 C5 C4 C3 175.9(3) ?
Rh1 C5 C4 C3 -61.5(2) ?
C1 C5 C4 C9 -176.4(3) ?
C10 C5 C4 C9 -0.6(5) ?
Rh1 C5 C4 C9 121.9(3) ?
C1 C5 C4 Rh1 61.66(19) ?
C10 C5 C4 Rh1 -122.5(3) ?
C2 Rh1 C4 C3 36.88(18) ?
C5 Rh1 C4 C3 117.9(3) ?
C1 Rh1 C4 C3 80.27(19) ?
N1 Rh1 C4 C3 106.4(3) ?
C11 Rh1 C4 C3 -55.35(19) ?
C12 Rh1 C4 C3 -147.61(17) ?
C2 Rh1 C4 C5 -80.97(18) ?
C1 Rh1 C4 C5 -37.59(16) ?
N1 Rh1 C4 C5 -11.5(3) ?
C3 Rh1 C4 C5 -117.9(3) ?
C11 Rh1 C4 C5 -173.20(14) ?
C12 Rh1 C4 C5 94.54(16) ?
C2 Rh1 C4 C9 160.5(4) ?
C5 Rh1 C4 C9 -118.5(4) ?
C1 Rh1 C4 C9 -156.1(4) ?
N1 Rh1 C4 C9 -130.0(3) ?

C3 Rh1 C4 C9 123.7(4) ?
C11 Rh1 C4 C9 68.3(3) ?
C12 Rh1 C4 C9 -23.9(3) ?
C12 C13 C14 C15 1.6(5) ?
C11 N1 C15 C14 -2.9(4) ?
Rh1 N1 C15 C14 162.0(2) ?
C13 C14 C15 N1 1.1(5) ?

| | |
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| _diffraction_reflns_theta_full | 26.37 |
| _diffraction_measured_fraction_theta_full | 0.998 |
| _refine_diff_density_max | 0.582 |
| _refine_diff_density_min | -0.771 |
| _refine_diff_density_rms | 0.074 |