

N(2)-Ru(1)-C(3)-C(2)	170.8(6)
C(12)-Ru(1)-C(3)-C(2)	-119.9(4)
C(13)-Ru(1)-C(3)-C(2)	-79.9(4)
C(4)-Ru(1)-C(3)-C(2)	116.7(5)
N(1)-Ru(1)-C(3)-C(2)	80.9(4)
C(1)-Ru(1)-C(3)-C(4)	-77.6(4)
C(11)-Ru(1)-C(3)-C(4)	83.6(4)
C(14)-Ru(1)-C(3)-C(4)	-167.1(6)
N(2)-Ru(1)-C(3)-C(4)	54.2(8)
C(2)-Ru(1)-C(3)-C(4)	-116.7(5)
C(12)-Ru(1)-C(3)-C(4)	123.4(4)
C(13)-Ru(1)-C(3)-C(4)	163.4(4)
N(1)-Ru(1)-C(3)-C(4)	-35.8(4)
C(1)-Ru(1)-C(3)-C(8)	166.0(6)
C(11)-Ru(1)-C(3)-C(8)	-32.7(7)
C(14)-Ru(1)-C(3)-C(8)	76.5(9)
N(2)-Ru(1)-C(3)-C(8)	-62.2(9)
C(2)-Ru(1)-C(3)-C(8)	127.0(7)
C(12)-Ru(1)-C(3)-C(8)	7.1(6)
C(13)-Ru(1)-C(3)-C(8)	47.0(7)
C(4)-Ru(1)-C(3)-C(8)	-116.4(7)
N(1)-Ru(1)-C(3)-C(8)	-152.1(6)
C(1)-N(1)-C(4)-C(3)	1.3(7)
Ru(1)-N(1)-C(4)-C(3)	-60.3(4)
C(1)-N(1)-C(4)-C(5)	-175.0(6)
Ru(1)-N(1)-C(4)-C(5)	123.3(7)
C(1)-N(1)-C(4)-Ru(1)	61.7(4)
C(2)-C(3)-C(4)-N(1)	-1.4(7)
C(8)-C(3)-C(4)-N(1)	-177.0(6)
Ru(1)-C(3)-C(4)-N(1)	60.9(4)
C(2)-C(3)-C(4)-C(5)	175.0(6)
C(8)-C(3)-C(4)-C(5)	-0.6(10)
Ru(1)-C(3)-C(4)-C(5)	-122.7(7)
C(2)-C(3)-C(4)-Ru(1)	-62.3(4)
C(8)-C(3)-C(4)-Ru(1)	122.1(6)
C(1)-Ru(1)-C(4)-N(1)	-38.3(3)

C(11)-Ru(1)-C(4)-N(1)	120.8(4)
C(14)-Ru(1)-C(4)-N(1)	44.6(10)
N(2)-Ru(1)-C(4)-N(1)	79.7(4)
C(3)-Ru(1)-C(4)-N(1)	-119.8(6)
C(2)-Ru(1)-C(4)-N(1)	-82.0(4)
C(12)-Ru(1)-C(4)-N(1)	163.9(3)
C(13)-Ru(1)-C(4)-N(1)	-159.9(6)
C(1)-Ru(1)-C(4)-C(3)	81.5(4)
C(11)-Ru(1)-C(4)-C(3)	-119.4(4)
C(14)-Ru(1)-C(4)-C(3)	164.4(8)
N(2)-Ru(1)-C(4)-C(3)	-160.5(3)
C(2)-Ru(1)-C(4)-C(3)	37.8(4)
C(12)-Ru(1)-C(4)-C(3)	-76.3(5)
C(13)-Ru(1)-C(4)-C(3)	-40.1(9)
N(1)-Ru(1)-C(4)-C(3)	119.8(6)
C(1)-Ru(1)-C(4)-C(5)	-159.1(6)
C(11)-Ru(1)-C(4)-C(5)	0.0(6)
C(14)-Ru(1)-C(4)-C(5)	-76.2(11)
N(2)-Ru(1)-C(4)-C(5)	-41.1(7)
C(3)-Ru(1)-C(4)-C(5)	119.4(7)
C(2)-Ru(1)-C(4)-C(5)	157.2(6)
C(12)-Ru(1)-C(4)-C(5)	43.1(6)
C(13)-Ru(1)-C(4)-C(5)	79.3(9)
N(1)-Ru(1)-C(4)-C(5)	-120.8(7)
N(1)-C(4)-C(5)-C(6)	162.7(8)
C(3)-C(4)-C(5)-C(6)	-13.1(10)
Ru(1)-C(4)-C(5)-C(6)	-104.3(8)
N(1)-C(4)-C(5)-C(6B)	-169.2(12)
C(3)-C(4)-C(5)-C(6B)	15.0(14)
Ru(1)-C(4)-C(5)-C(6B)	-76.2(13)
C(4)-C(5)-C(6)-C(7)	46.0(13)
C(6B)-C(5)-C(6)-C(7)	-45(2)
C(5)-C(6)-C(7)-C(8)	-67.1(13)
C(4)-C(5)-C(6B)-C(7B)	-43(2)
C(6)-C(5)-C(6B)-C(7B)	56(2)
C(5)-C(6B)-C(7B)-C(8)	60(3)

C(6B)-C(7B)-C(8)-C(3)	-41(2)
C(6B)-C(7B)-C(8)-C(7)	50(2)
C(2)-C(3)-C(8)-C(7B)	-161.3(13)
C(4)-C(3)-C(8)-C(7B)	13.1(15)
Ru(1)-C(3)-C(8)-C(7B)	102.6(13)
C(2)-C(3)-C(8)-C(7)	167.5(8)
C(4)-C(3)-C(8)-C(7)	-18.1(9)
Ru(1)-C(3)-C(8)-C(7)	71.3(8)
C(6)-C(7)-C(8)-C(7B)	-50.0(18)
C(6)-C(7)-C(8)-C(3)	50.0(11)
C(14)-N(2)-C(11)-C(12)	0.1(7)
Ru(1)-N(2)-C(11)-C(12)	61.8(4)
C(14)-N(2)-C(11)-C(19)	173.8(6)
Ru(1)-N(2)-C(11)-C(19)	-124.5(6)
C(14)-N(2)-C(11)-Ru(1)	-61.7(4)
C(1)-Ru(1)-C(11)-N(2)	-47.0(9)
C(14)-Ru(1)-C(11)-N(2)	38.3(3)
C(3)-Ru(1)-C(11)-N(2)	-164.9(3)
C(2)-Ru(1)-C(11)-N(2)	158.0(6)
C(12)-Ru(1)-C(11)-N(2)	120.2(5)
C(13)-Ru(1)-C(11)-N(2)	81.9(4)
C(4)-Ru(1)-C(11)-N(2)	-122.1(4)
N(1)-Ru(1)-C(11)-N(2)	-80.7(4)
C(1)-Ru(1)-C(11)-C(12)	-167.1(6)
C(14)-Ru(1)-C(11)-C(12)	-81.9(4)
N(2)-Ru(1)-C(11)-C(12)	-120.2(5)
C(3)-Ru(1)-C(11)-C(12)	74.9(4)
C(2)-Ru(1)-C(11)-C(12)	37.9(8)
C(13)-Ru(1)-C(11)-C(12)	-38.3(4)
C(4)-Ru(1)-C(11)-C(12)	117.8(4)
N(1)-Ru(1)-C(11)-C(12)	159.1(3)
C(1)-Ru(1)-C(11)-C(19)	69.0(10)
C(14)-Ru(1)-C(11)-C(19)	154.2(7)
N(2)-Ru(1)-C(11)-C(19)	115.9(7)
C(3)-Ru(1)-C(11)-C(19)	-49.0(7)
C(2)-Ru(1)-C(11)-C(19)	-86.0(9)

C(12)-Ru(1)-C(11)-C(19)	-123.9(7)
C(13)-Ru(1)-C(11)-C(19)	-162.2(7)
C(4)-Ru(1)-C(11)-C(19)	-6.1(7)
N(1)-Ru(1)-C(11)-C(19)	35.2(7)
N(2)-C(11)-C(12)-C(13)	0.3(7)
C(19)-C(11)-C(12)-C(13)	-172.9(6)
Ru(1)-C(11)-C(12)-C(13)	62.4(4)
N(2)-C(11)-C(12)-C(20)	175.2(6)
C(19)-C(11)-C(12)-C(20)	2.0(11)
Ru(1)-C(11)-C(12)-C(20)	-122.8(6)
N(2)-C(11)-C(12)-Ru(1)	-62.1(4)
C(19)-C(11)-C(12)-Ru(1)	124.7(7)
C(1)-Ru(1)-C(12)-C(13)	52.2(8)
C(11)-Ru(1)-C(12)-C(13)	-115.7(5)
C(14)-Ru(1)-C(12)-C(13)	-38.1(4)
N(2)-Ru(1)-C(12)-C(13)	-80.2(4)
C(3)-Ru(1)-C(12)-C(13)	119.2(4)
C(2)-Ru(1)-C(12)-C(13)	79.4(4)
C(4)-Ru(1)-C(12)-C(13)	159.2(3)
N(1)-Ru(1)-C(12)-C(13)	-171.3(5)
C(1)-Ru(1)-C(12)-C(11)	168.0(6)
C(14)-Ru(1)-C(12)-C(11)	77.6(4)
N(2)-Ru(1)-C(12)-C(11)	35.5(3)
C(3)-Ru(1)-C(12)-C(11)	-125.1(4)
C(2)-Ru(1)-C(12)-C(11)	-164.9(4)
C(13)-Ru(1)-C(12)-C(11)	115.7(5)
C(4)-Ru(1)-C(12)-C(11)	-85.1(4)
N(1)-Ru(1)-C(12)-C(11)	-55.5(7)
C(1)-Ru(1)-C(12)-C(20)	-69.7(10)
C(11)-Ru(1)-C(12)-C(20)	122.4(8)
C(14)-Ru(1)-C(12)-C(20)	-160.0(7)
N(2)-Ru(1)-C(12)-C(20)	157.9(7)
C(3)-Ru(1)-C(12)-C(20)	-2.7(7)
C(2)-Ru(1)-C(12)-C(20)	-42.5(7)
C(13)-Ru(1)-C(12)-C(20)	-121.9(7)
C(4)-Ru(1)-C(12)-C(20)	37.3(7)

N(1)-Ru(1)-C(12)-C(20)	66.8(9)
C(11)-C(12)-C(13)-C(14)	-0.7(7)
C(20)-C(12)-C(13)-C(14)	-175.6(6)
Ru(1)-C(12)-C(13)-C(14)	60.6(4)
C(11)-C(12)-C(13)-C(18)	175.9(6)
C(20)-C(12)-C(13)-C(18)	1.0(10)
Ru(1)-C(12)-C(13)-C(18)	-122.8(6)
C(11)-C(12)-C(13)-Ru(1)	-61.3(4)
C(20)-C(12)-C(13)-Ru(1)	123.8(6)
C(1)-Ru(1)-C(13)-C(12)	-159.7(3)
C(11)-Ru(1)-C(13)-C(12)	39.0(3)
C(14)-Ru(1)-C(13)-C(12)	117.3(5)
N(2)-Ru(1)-C(13)-C(12)	80.7(4)
C(3)-Ru(1)-C(13)-C(12)	-79.6(4)
C(2)-Ru(1)-C(13)-C(12)	-119.6(4)
C(4)-Ru(1)-C(13)-C(12)	-50.9(8)
N(1)-Ru(1)-C(13)-C(12)	170.5(6)
C(1)-Ru(1)-C(13)-C(14)	83.0(4)
C(11)-Ru(1)-C(13)-C(14)	-78.4(4)
N(2)-Ru(1)-C(13)-C(14)	-36.6(4)
C(3)-Ru(1)-C(13)-C(14)	163.1(4)
C(2)-Ru(1)-C(13)-C(14)	123.0(4)
C(12)-Ru(1)-C(13)-C(14)	-117.3(5)
C(4)-Ru(1)-C(13)-C(14)	-168.2(6)
N(1)-Ru(1)-C(13)-C(14)	53.2(8)
C(1)-Ru(1)-C(13)-C(18)	-33.9(7)
C(11)-Ru(1)-C(13)-C(18)	164.7(6)
C(14)-Ru(1)-C(13)-C(18)	-116.9(7)
N(2)-Ru(1)-C(13)-C(18)	-153.5(6)
C(3)-Ru(1)-C(13)-C(18)	46.2(6)
C(2)-Ru(1)-C(13)-C(18)	6.1(6)
C(12)-Ru(1)-C(13)-C(18)	125.8(7)
C(4)-Ru(1)-C(13)-C(18)	74.9(9)
N(1)-Ru(1)-C(13)-C(18)	-63.7(9)
C(11)-N(2)-C(14)-C(13)	-0.5(7)
Ru(1)-N(2)-C(14)-C(13)	-62.2(4)

C(11)-N(2)-C(14)-C(15)	-172.9(6)
Ru(1)-N(2)-C(14)-C(15)	125.4(7)
C(11)-N(2)-C(14)-Ru(1)	61.7(4)
C(12)-C(13)-C(14)-N(2)	0.8(7)
C(18)-C(13)-C(14)-N(2)	-176.1(5)
Ru(1)-C(13)-C(14)-N(2)	62.3(4)
C(12)-C(13)-C(14)-C(15)	173.3(6)
C(18)-C(13)-C(14)-C(15)	-3.5(10)
Ru(1)-C(13)-C(14)-C(15)	-125.2(6)
C(12)-C(13)-C(14)-Ru(1)	-61.5(4)
C(18)-C(13)-C(14)-Ru(1)	121.7(6)
C(1)-Ru(1)-C(14)-N(2)	121.2(3)
C(11)-Ru(1)-C(14)-N(2)	-37.9(3)
C(3)-Ru(1)-C(14)-N(2)	-159.7(6)
C(2)-Ru(1)-C(14)-N(2)	164.4(3)
C(12)-Ru(1)-C(14)-N(2)	-81.3(4)
C(13)-Ru(1)-C(14)-N(2)	-118.7(5)
C(4)-Ru(1)-C(14)-N(2)	47.1(10)
N(1)-Ru(1)-C(14)-N(2)	80.2(4)
C(1)-Ru(1)-C(14)-C(13)	-120.1(4)
C(11)-Ru(1)-C(14)-C(13)	80.8(4)
N(2)-Ru(1)-C(14)-C(13)	118.7(5)
C(3)-Ru(1)-C(14)-C(13)	-41.1(8)
C(2)-Ru(1)-C(14)-C(13)	-76.9(4)
C(12)-Ru(1)-C(14)-C(13)	37.4(4)
C(4)-Ru(1)-C(14)-C(13)	165.8(8)
N(1)-Ru(1)-C(14)-C(13)	-161.2(3)
C(1)-Ru(1)-C(14)-C(15)	-0.8(7)
C(11)-Ru(1)-C(14)-C(15)	-159.9(7)
N(2)-Ru(1)-C(14)-C(15)	-122.0(7)
C(3)-Ru(1)-C(14)-C(15)	78.3(9)
C(2)-Ru(1)-C(14)-C(15)	42.4(7)
C(12)-Ru(1)-C(14)-C(15)	156.7(7)
C(13)-Ru(1)-C(14)-C(15)	119.3(8)
C(4)-Ru(1)-C(14)-C(15)	-74.9(11)
N(1)-Ru(1)-C(14)-C(15)	-41.9(7)

N(2)-C(14)-C(15)-C(16)	-169.3(6)
C(13)-C(14)-C(15)-C(16)	19.4(9)
Ru(1)-C(14)-C(15)-C(16)	-74.0(8)
C(14)-C(15)-C(16)-C(17)	-47.2(9)
C(15)-C(16)-C(17)-C(18)	62.6(10)
C(12)-C(13)-C(18)-C(17)	-161.9(7)
C(14)-C(13)-C(18)-C(17)	14.1(9)
Ru(1)-C(13)-C(18)-C(17)	102.6(6)
C(16)-C(17)-C(18)-C(13)	-42.4(9)



