

**Structural Results for [(PPh<sub>3</sub>Au)<sub>3</sub>(μ-N-1,4-NHPh)]BF<sub>4</sub>(1)****(a) ATOMIC COORDINATES**

Atom	X	Y	Z	U
Au3	0.89656(2)	0.247154(14)	0.260079(12)	0.01875(6)
Au2	0.68146(2)	0.342679(14)	0.198704(12)	0.01970(6)
Au1	0.67930(2)	0.136289(14)	0.161986(12)	0.01988(6)
C11	0.8828(2)	-0.1173(2)	0.22576(13)	0.0663(6)
C12	0.9061(2)	-0.0091(2)	0.10451(13)	0.0831(7)
C13	0.5986(4)	0.4886(2)	0.0544(3)	0.1376(15)
P1	0.57889(12)	0.02026(10)	0.18536(8)	0.0233(3)
P2	0.57851(11)	0.43460(10)	0.26144(8)	0.0208(3)
P3	1.03053(11)	0.24812(9)	0.37039(8)	0.0200(3)
F1	0.6771(3)	0.3242(2)	-0.3398(2)	0.0467(10)
F2	0.6096(3)	0.1761(3)	-0.3846(2)	0.0512(11)
F3	0.7649(3)	0.2046(3)	-0.2885(2)	0.0452(10)
F4	0.6061(4)	0.2435(3)	-0.2617(3)	0.0591(12)
N1	0.7796(3)	0.2473(3)	0.1555(2)	0.0181(9)
N2	0.9025(4)	0.2712(3)	-0.1284(3)	0.0251(11)
H2N	0.8804(4)	0.2267(3)	-0.1690(3)	0.030
C1	0.8103(4)	0.2505(3)	0.0845(3)	0.0174(11)
C2	0.9181(4)	0.2455(4)	0.0800(3)	0.0257(13)
H2	0.9722(4)	0.2380(4)	0.1260(3)	0.031
C3	0.9498(5)	0.2509(4)	0.0116(3)	0.0282(13)
H3	1.0243(5)	0.2467(4)	0.0111(3)	0.034
C4	0.8720(5)	0.2626(4)	-0.0570(3)	0.0220(12)
C5	0.7637(5)	0.2653(4)	-0.0548(3)	0.0226(12)
H5	0.7097(5)	0.2722(4)	-0.1011(3)	0.027
C6	0.7329(4)	0.2580(4)	0.0140(3)	0.0227(12)
H6	0.6579(4)	0.2581(4)	0.0135(3)	0.027
C7	0.9662(4)	0.3475(4)	-0.1369(3)	0.0240(12)
C8	1.0279(5)	0.4085(4)	-0.0744(4)	0.0354(15)
H8	1.0310(5)	0.3983(4)	-0.0221(4)	0.043
C9	1.0861(6)	0.4849(5)	-0.0865(4)	0.044(2)
H9	1.1286(6)	0.5261(5)	-0.0427(4)	0.053
C10	1.0821(5)	0.5010(5)	-0.1618(4)	0.039(2)
H10	1.1205(5)	0.5536(5)	-0.1703(4)	0.047
C11	1.0216(5)	0.4398(4)	-0.2245(4)	0.036(2)
H11	1.0193(5)	0.4500(4)	-0.2766(4)	0.043
C12	0.9644(5)	0.3637(4)	-0.2132(3)	0.0278(13)
H12	0.9234(5)	0.3221(4)	-0.2573(3)	0.033
B1	0.6639(6)	0.2375(5)	-0.3192(4)	0.030(2)
C1A	0.6235(4)	0.0090(4)	0.2891(3)	0.0224(12)
C2A	0.7272(5)	0.0428(4)	0.3318(3)	0.0251(12)
H2A	0.7747(5)	0.0692(4)	0.3058(3)	0.030
C3A	0.7622(5)	0.0388(4)	0.4103(3)	0.0314(14)
H3A	0.8339(5)	0.0613(4)	0.4383(3)	0.038
C4A	0.6932(6)	0.0019(4)	0.4493(3)	0.0353(15)
H4A	0.7166(6)	0.0008(4)	0.5043(3)	0.042
C5A	0.5902(5)	-0.0332(4)	0.4078(4)	0.0347(15)
H5A	0.5433(5)	-0.0596(4)	0.4342(4)	0.042
C6A	0.5551(5)	-0.0301(4)	0.3284(4)	0.0312(14)

H6A	0.4842 (5)	-0.0545 (4)	0.3002 (4)	0.037
C7A	0.4333 (5)	0.0391 (4)	0.1672 (3)	0.0282 (13)
C8A	0.4010 (5)	0.1203 (5)	0.2051 (4)	0.037 (2)
H8A	0.4536 (5)	0.1631 (5)	0.2410 (4)	0.044
C9A	0.2907 (6)	0.1382 (5)	0.1901 (4)	0.043 (2)
H9A	0.2680 (6)	0.1929 (5)	0.2164 (4)	0.052
C10A	0.2149 (6)	0.0771 (6)	0.1373 (5)	0.052 (2)
H10A	0.1402 (6)	0.0908 (6)	0.1262 (5)	0.062
C11A	0.2456 (6)	-0.0034 (6)	0.1005 (4)	0.051 (2)
H11A	0.1922 (6)	-0.0459 (6)	0.0649 (4)	0.061
C12A	0.3556 (5)	-0.0231 (5)	0.1152 (4)	0.040 (2)
H12A	0.3771 (5)	-0.0790 (5)	0.0897 (4)	0.048
C13A	0.5886 (5)	-0.0917 (4)	0.1281 (3)	0.0282 (13)
C14A	0.5810 (7)	-0.1741 (4)	0.1563 (4)	0.047 (2)
H14A	0.5718 (7)	-0.1737 (4)	0.2080 (4)	0.057
C15A	0.5868 (8)	-0.2573 (5)	0.1092 (4)	0.069 (3)
H15A	0.5813 (8)	-0.3143 (5)	0.1286 (4)	0.083
C16A	0.6006 (7)	-0.2581 (5)	0.0339 (4)	0.060 (2)
H16A	0.6063 (7)	-0.3154 (5)	0.0022 (4)	0.073
C17A	0.6059 (7)	-0.1751 (5)	0.0047 (4)	0.048 (2)
H17A	0.6127 (7)	-0.1754 (5)	-0.0475 (4)	0.058
C18A	0.6012 (5)	-0.0923 (4)	0.0525 (4)	0.0359 (15)
H18A	0.6067 (5)	-0.0352 (4)	0.0334 (4)	0.043
C1B	0.6365 (4)	0.5531 (4)	0.2988 (3)	0.0219 (12)
C2B	0.5936 (5)	0.6152 (4)	0.3487 (4)	0.036 (2)
H2B	0.5344 (5)	0.5958 (4)	0.3677 (4)	0.044
C3B	0.6371 (6)	0.7057 (4)	0.3708 (4)	0.038 (2)
H3B	0.6062 (6)	0.7485 (4)	0.4040 (4)	0.046
C4B	0.7238 (5)	0.7342 (4)	0.3455 (4)	0.0361 (15)
H4B	0.7523 (5)	0.7967 (4)	0.3606 (4)	0.043
C5B	0.7699 (6)	0.6727 (4)	0.2982 (4)	0.044 (2)
H5B	0.8312 (6)	0.6921 (4)	0.2814 (4)	0.053
C6B	0.7264 (5)	0.5819 (4)	0.2752 (4)	0.035 (2)
H6B	0.7586 (5)	0.5391 (4)	0.2429 (4)	0.042
C7B	0.5575 (4)	0.3822 (4)	0.3444 (3)	0.0209 (11)
C8B	0.6192 (5)	0.3076 (4)	0.3684 (3)	0.0274 (13)
H8B	0.6733 (5)	0.2861 (4)	0.3423 (3)	0.033
C9B	0.6022 (5)	0.2653 (4)	0.4293 (3)	0.0302 (13)
H9B	0.6436 (5)	0.2143 (4)	0.4447 (3)	0.036
C10B	0.5245 (5)	0.2974 (4)	0.4680 (3)	0.0294 (13)
H10B	0.5134 (5)	0.2690 (4)	0.5106 (3)	0.035
C11B	0.4637 (5)	0.3697 (4)	0.4451 (3)	0.0309 (14)
H11B	0.4103 (5)	0.3910 (4)	0.4720 (3)	0.037
C12B	0.4788 (5)	0.4124 (4)	0.3834 (3)	0.0291 (13)
H12B	0.4354 (5)	0.4622 (4)	0.3677 (3)	0.035
C13B	0.4400 (4)	0.4453 (4)	0.2054 (3)	0.0231 (12)
C14B	0.3903 (5)	0.5291 (4)	0.2019 (4)	0.038 (2)
H14B	0.4311 (5)	0.5858 (4)	0.2250 (4)	0.045
C15B	0.2804 (5)	0.5297 (5)	0.1643 (4)	0.043 (2)
H15B	0.2469 (5)	0.5874 (5)	0.1619 (4)	0.052
C16B	0.2203 (5)	0.4501 (5)	0.1312 (4)	0.040 (2)
H16B	0.1448 (5)	0.4519 (5)	0.1071 (4)	0.048
C17B	0.2689 (6)	0.3668 (5)	0.1325 (5)	0.062 (2)
H17B	0.2273 (6)	0.3106 (5)	0.1087 (5)	0.075

C18B	0.3794 (6)	0.3646 (5)	0.1687 (4)	0.049 (2)
H18B	0.4132 (6)	0.3069 (5)	0.1682 (4)	0.059
C1C	1.1080 (4)	0.3581 (4)	0.4009 (3)	0.0240 (12)
C2C	1.1364 (5)	0.4021 (4)	0.3431 (4)	0.0314 (14)
H2C	1.1116 (5)	0.3752 (4)	0.2893 (4)	0.038
C3C	1.2002 (5)	0.4843 (4)	0.3631 (4)	0.039 (2)
H3C	1.2195 (5)	0.5136 (4)	0.3235 (4)	0.046
C4C	1.2353 (5)	0.5232 (4)	0.4415 (4)	0.037 (2)
H4C	1.2797 (5)	0.5792 (4)	0.4556 (4)	0.045
C5C	1.2073 (5)	0.4825 (4)	0.4991 (4)	0.040 (2)
H5C	1.2309 (5)	0.5107 (4)	0.5527 (4)	0.047
C6C	1.1442 (5)	0.3997 (4)	0.4792 (3)	0.0315 (14)
H6C	1.1255 (5)	0.3711 (4)	0.5194 (3)	0.038
C7C	1.1289 (4)	0.1634 (4)	0.3537 (3)	0.0209 (12)
C8C	1.2394 (5)	0.1785 (4)	0.3889 (3)	0.0285 (13)
H8C	1.2668 (5)	0.2373 (4)	0.4186 (3)	0.034
C9C	1.3103 (5)	0.1080 (4)	0.3810 (4)	0.0320 (14)
H9C	1.3861 (5)	0.1188 (4)	0.4045 (4)	0.038
C10C	1.2697 (5)	0.0217 (4)	0.3388 (4)	0.0338 (15)
H10C	1.3177 (5)	-0.0270 (4)	0.3340 (4)	0.041
C11C	1.1604 (5)	0.0064 (4)	0.3037 (4)	0.0313 (14)
H11C	1.1332 (5)	-0.0527 (4)	0.2744 (4)	0.038
C12C	1.0898 (5)	0.0765 (4)	0.3106 (3)	0.0254 (12)
H12C	1.0144 (5)	0.0655 (4)	0.2859 (3)	0.030
C13C	0.9922 (4)	0.2207 (4)	0.4574 (3)	0.0203 (11)
C14C	0.9110 (5)	0.2691 (4)	0.4839 (4)	0.0310 (14)
H14C	0.8750 (5)	0.3149 (4)	0.4556 (4)	0.037
C15C	0.8821 (5)	0.2513 (4)	0.5507 (4)	0.035 (2)
H15C	0.8283 (5)	0.2862 (4)	0.5691 (4)	0.042
C16C	0.9314 (5)	0.1827 (4)	0.5906 (3)	0.0308 (14)
H16C	0.9106 (5)	0.1699 (4)	0.6362 (3)	0.037
C17C	1.0111 (5)	0.1322 (4)	0.5650 (3)	0.0301 (14)
H17C	1.0441 (5)	0.0844 (4)	0.5923 (3)	0.036
C18C	1.0423 (5)	0.1522 (4)	0.4992 (3)	0.0249 (12)
H18C	1.0983 (5)	0.1189 (4)	0.4823 (3)	0.030
C1S	0.8943 (7)	-0.1218 (6)	0.1294 (5)	0.076 (3)
H1S1	0.8294 (7)	-0.1562 (6)	0.0928 (5)	0.091
H1S2	0.9592 (7)	-0.1561 (6)	0.1231 (5)	0.091
C2S	0.5741 (25)	0.4772 (16)	-0.0177 (17)	0.297 (17)

## (b) THERMAL PARAMETERS

atom	$U_{11}$	$U_{22}$	$U_{33}$	$U_{23}$	$U_{13}$	$U_{12}$
Au3	0.02007 (11)	0.01919 (11)	0.01757 (11)	0.00378 (8)	0.00533 (8)	0.00018 (8)
Au2	0.02096 (11)	0.01948 (11)	0.02061 (11)	0.00337 (8)	0.00859 (9)	0.00340 (8)
Au1	0.02156 (11)	0.01975 (11)	0.02003 (11)	0.00473 (8)	0.00766 (9)	-0.00209 (8)
C11	0.0664 (14)	0.0673 (14)	0.0628 (14)	0.0097 (11)	0.0126 (11)	-0.0133 (11)
C12	0.067 (2)	0.122 (2)	0.0587 (14)	0.0300 (14)	0.0036 (12)	0.0016 (15)
C13	0.204 (4)	0.086 (2)	0.160 (4)	0.040 (2)	0.098 (3)	0.063 (2)
P1	0.0256 (8)	0.0233 (8)	0.0216 (8)	0.0065 (6)	0.0054 (6)	-0.0057 (6)
P2	0.0212 (7)	0.0211 (7)	0.0214 (7)	0.0030 (6)	0.0076 (6)	0.0043 (6)
P3	0.0216 (7)	0.0188 (7)	0.0194 (7)	0.0031 (6)	0.0046 (6)	-0.0003 (6)
F1	0.060 (3)	0.029 (2)	0.054 (3)	0.010 (2)	0.018 (2)	-0.003 (2)

F2	0.054(3)	0.034(2)	0.048(2)	0.003(2)	-0.016(2)	-0.010(2)
F3	0.033(2)	0.043(2)	0.050(2)	-0.003(2)	-0.002(2)	0.006(2)
F4	0.063(3)	0.054(3)	0.077(3)	0.022(2)	0.044(3)	0.007(2)
N1	0.018(2)	0.022(2)	0.016(2)	0.003(2)	0.008(2)	0.001(2)
N2	0.032(3)	0.028(3)	0.018(2)	0.000(2)	0.013(2)	-0.003(2)
C1	0.024(3)	0.015(3)	0.016(3)	0.003(2)	0.011(2)	-0.003(2)
C2	0.022(3)	0.041(4)	0.015(3)	0.009(2)	0.004(2)	0.003(3)
C3	0.019(3)	0.039(4)	0.028(3)	0.007(3)	0.008(3)	0.006(3)
C4	0.031(3)	0.018(3)	0.020(3)	0.003(2)	0.012(2)	0.000(2)
C5	0.026(3)	0.025(3)	0.017(3)	0.005(2)	0.004(2)	-0.001(2)
C6	0.021(3)	0.024(3)	0.025(3)	0.005(2)	0.010(2)	-0.002(2)
C7	0.023(3)	0.026(3)	0.024(3)	-0.001(2)	0.012(2)	0.000(2)
C8	0.036(4)	0.043(4)	0.029(3)	0.001(3)	0.014(3)	-0.007(3)
C9	0.040(4)	0.042(4)	0.048(4)	-0.011(3)	0.017(3)	-0.016(3)
C10	0.040(4)	0.033(4)	0.053(4)	0.006(3)	0.029(4)	-0.005(3)
C11	0.035(4)	0.039(4)	0.041(4)	0.018(3)	0.017(3)	0.009(3)
C12	0.027(3)	0.036(3)	0.022(3)	0.005(3)	0.009(3)	0.002(3)
B1	0.025(4)	0.026(4)	0.038(4)	0.006(3)	0.008(3)	-0.002(3)
C1A	0.022(3)	0.022(3)	0.023(3)	0.005(2)	0.005(2)	-0.001(2)
C2A	0.024(3)	0.028(3)	0.025(3)	0.009(2)	0.007(2)	-0.001(2)
C3A	0.030(3)	0.033(3)	0.023(3)	0.007(3)	-0.008(3)	-0.008(3)
C4A	0.051(4)	0.036(4)	0.018(3)	0.010(3)	0.003(3)	0.005(3)
C5A	0.034(4)	0.041(4)	0.032(4)	0.013(3)	0.010(3)	-0.002(3)
C6A	0.026(3)	0.038(4)	0.032(3)	0.007(3)	0.009(3)	-0.005(3)
C7A	0.025(3)	0.037(3)	0.024(3)	0.016(3)	0.003(3)	-0.008(3)
C8A	0.035(4)	0.047(4)	0.030(4)	0.012(3)	0.009(3)	0.001(3)
C9A	0.035(4)	0.061(5)	0.040(4)	0.020(4)	0.014(3)	0.011(3)
C10A	0.031(4)	0.080(6)	0.055(5)	0.038(4)	0.014(4)	0.008(4)
C11A	0.033(4)	0.064(5)	0.052(5)	0.025(4)	-0.006(4)	-0.019(4)
C12A	0.035(4)	0.043(4)	0.040(4)	0.014(3)	0.002(3)	-0.011(3)
C13A	0.028(3)	0.030(3)	0.023(3)	0.004(3)	0.002(3)	-0.010(3)
C14A	0.090(6)	0.026(4)	0.024(3)	0.003(3)	0.011(4)	-0.014(4)
C15A	0.144(9)	0.024(4)	0.038(4)	0.007(3)	0.024(5)	-0.017(5)
C16A	0.101(7)	0.035(4)	0.043(5)	-0.002(3)	0.019(5)	-0.007(4)
C17A	0.078(6)	0.037(4)	0.035(4)	0.001(3)	0.024(4)	0.001(4)
C18A	0.048(4)	0.028(3)	0.034(4)	0.012(3)	0.009(3)	-0.002(3)
C1B	0.022(3)	0.021(3)	0.022(3)	0.004(2)	0.005(2)	0.002(2)
C2B	0.043(4)	0.027(3)	0.046(4)	0.000(3)	0.028(3)	-0.001(3)
C3B	0.049(4)	0.021(3)	0.048(4)	-0.002(3)	0.024(3)	0.000(3)
C4B	0.039(4)	0.024(3)	0.043(4)	0.001(3)	0.008(3)	-0.005(3)
C5B	0.039(4)	0.030(4)	0.068(5)	-0.004(3)	0.029(4)	-0.011(3)
C6B	0.032(3)	0.028(3)	0.050(4)	-0.001(3)	0.024(3)	-0.001(3)
C7B	0.025(3)	0.018(3)	0.020(3)	0.003(2)	0.007(2)	0.000(2)
C8B	0.026(3)	0.028(3)	0.031(3)	0.004(3)	0.012(3)	0.004(2)
C9B	0.027(3)	0.032(3)	0.032(3)	0.012(3)	0.003(3)	0.001(3)
C10B	0.029(3)	0.034(3)	0.026(3)	0.008(3)	0.009(3)	-0.010(3)
C11B	0.031(3)	0.035(3)	0.031(3)	0.006(3)	0.015(3)	0.002(3)
C12B	0.031(3)	0.027(3)	0.034(3)	0.007(3)	0.017(3)	0.007(3)
C13B	0.024(3)	0.029(3)	0.017(3)	0.002(2)	0.006(2)	0.003(2)
C14B	0.031(4)	0.027(3)	0.052(4)	0.007(3)	0.004(3)	0.002(3)
C15B	0.027(4)	0.039(4)	0.061(5)	0.012(4)	0.004(3)	0.008(3)
C16B	0.025(3)	0.052(4)	0.038(4)	0.004(3)	-0.001(3)	0.011(3)
C17B	0.046(5)	0.042(4)	0.073(6)	-0.008(4)	-0.022(4)	-0.003(4)
C18B	0.039(4)	0.027(4)	0.063(5)	-0.006(3)	-0.015(4)	0.011(3)

C1C	0.019(3)	0.019(3)	0.032(3)	0.003(2)	0.003(2)	-0.001(2)
C2C	0.030(3)	0.031(3)	0.031(3)	0.006(3)	0.003(3)	-0.003(3)
C3C	0.030(4)	0.033(4)	0.056(5)	0.020(3)	0.008(3)	-0.002(3)
C4C	0.025(3)	0.018(3)	0.061(5)	0.002(3)	-0.001(3)	-0.005(2)
C5C	0.039(4)	0.024(3)	0.044(4)	-0.006(3)	-0.004(3)	-0.005(3)
C6C	0.035(4)	0.027(3)	0.027(3)	0.003(3)	0.000(3)	-0.001(3)
C7C	0.024(3)	0.019(3)	0.024(3)	0.009(2)	0.010(2)	0.006(2)
C8C	0.026(3)	0.030(3)	0.031(3)	0.007(3)	0.008(3)	0.001(3)
C9C	0.022(3)	0.041(4)	0.037(4)	0.014(3)	0.010(3)	0.007(3)
C10C	0.037(4)	0.029(3)	0.045(4)	0.014(3)	0.023(3)	0.012(3)
C11C	0.038(4)	0.024(3)	0.034(3)	0.002(3)	0.015(3)	-0.001(3)
C12C	0.024(3)	0.022(3)	0.031(3)	0.002(2)	0.009(3)	-0.002(2)
C13C	0.019(3)	0.023(3)	0.018(3)	0.003(2)	0.002(2)	-0.004(2)
C14C	0.031(3)	0.031(3)	0.035(4)	0.009(3)	0.012(3)	0.009(3)
C15C	0.041(4)	0.040(4)	0.031(4)	0.002(3)	0.022(3)	0.011(3)
C16C	0.038(4)	0.036(3)	0.022(3)	0.007(3)	0.013(3)	0.001(3)
C17C	0.030(3)	0.041(4)	0.017(3)	0.009(3)	-0.001(3)	-0.003(3)
C18C	0.027(3)	0.026(3)	0.024(3)	0.007(2)	0.006(2)	0.005(2)
C1S	0.071(6)	0.078(6)	0.058(5)	-0.028(5)	-0.005(5)	0.033(5)
C2S	0.472(42)	0.232(23)	0.364(32)	0.175(24)	0.350(34)	0.201(26)

## (c) Bond lengths and angles

Atom1	Atom2	Length(Å)	Atom1	Atom2	Length(Å)
Au3	N1	2.071(4)	C1	C6	1.407(7)
Au3	P3	2.2521(14)	C2	C3	1.379(7)
Au3	Au2	3.1093(3)	C3	C4	1.400(8)
Au3	Au1	3.1484(3)	C4	C5	1.385(7)
Au2	N1	2.069(4)	C5	C6	1.385(7)
Au2	P2	2.2518(13)	C7	C8	1.377(8)
Au2	Au1	2.9802(3)	C7	C12	1.399(7)
Au1	N1	2.074(4)	C8	C9	1.397(9)
Au1	P1	2.2454(14)	C9	C10	1.377(9)
C11	C1S	1.742(9)	C10	C11	1.375(9)
C12	C1S	1.774(10)	C11	C12	1.381(8)
C13	C2S	1.22(3)	C1A	C2A	1.388(8)
C13	C2S	2.21(3)	C1A	C6A	1.400(7)
P1	C13A	1.815(6)	C2A	C3A	1.364(8)
P1	C1A	1.819(6)	C3A	C4A	1.386(8)
P1	C7A	1.827(6)	C4A	C5A	1.381(9)
P2	C13B	1.815(6)	C5A	C6A	1.375(8)
P2	C7B	1.824(5)	C7A	C12A	1.388(8)
P2	C1B	1.829(6)	C7A	C8A	1.392(9)
P3	C1C	1.806(6)	C8A	C9A	1.394(9)
P3	C7C	1.815(5)	C9A	C10A	1.371(10)
P3	C13C	1.821(5)	C10A	C11A	1.367(11)
F1	B1	1.382(7)	C11A	C12A	1.397(9)
F2	B1	1.380(8)	C13A	C14A	1.376(8)
F3	B1	1.386(7)	C13A	C18A	1.387(8)
F4	B1	1.387(7)	C14A	C15A	1.383(9)
N1	C1	1.414(6)	C15A	C16A	1.388(10)
N2	C7	1.411(7)	C16A	C17A	1.389(10)
N2	C4	1.433(6)	C17A	C18A	1.381(8)
C1	C2	1.391(7)	C1B	C2B	1.384(7)

C1B	C6B	1.385(8)
C2B	C3B	1.384(8)
C3B	C4B	1.365(8)
C4B	C5B	1.374(8)
C5B	C6B	1.389(8)
C7B	C12B	1.390(7)
C7B	C8B	1.405(7)
C8B	C9B	1.378(8)
C9B	C10B	1.383(8)
C10B	C11B	1.366(8)
C11B	C12B	1.385(8)
C13B	C18B	1.377(8)
C13B	C14B	1.385(8)
C14B	C15B	1.390(9)
C15B	C16B	1.350(9)
C16B	C17B	1.370(9)
C17B	C18B	1.394(9)
C1C	C6C	1.392(8)

C1C	C2C	1.399(8)
C2C	C3C	1.385(8)
C3C	C4C	1.382(9)
C4C	C5C	1.367(9)
C5C	C6C	1.387(8)
C7C	C8C	1.386(8)
C7C	C12C	1.394(7)
C8C	C9C	1.390(8)
C9C	C10C	1.386(9)
C10C	C11C	1.373(9)
C11C	C12C	1.380(8)
C13C	C14C	1.394(7)
C13C	C18C	1.396(7)
C14C	C15C	1.379(8)
C15C	C16C	1.378(8)
C16C	C17C	1.385(8)
C17C	C18C	1.388(7)

Atom1	Atom2	Atom3	Angle(°)
N1	Au3	P3	177.00(11)
N1	Au3	Au2	41.29(11)
P3	Au3	Au2	140.60(4)
N1	Au3	Au1	40.60(12)
P3	Au3	Au1	141.52(4)
Au2	Au3	Au1	56.878(7)
N1	Au2	P2	171.24(12)
N1	Au2	Au1	44.06(12)
P2	Au2	Au1	130.57(4)
N1	Au2	Au3	41.33(12)
P2	Au2	Au3	132.01(4)
Au1	Au2	Au3	62.222(7)
N1	Au1	P1	172.83(12)
N1	Au1	Au2	43.93(11)
P1	Au1	Au2	133.47(4)
N1	Au1	Au3	40.53(12)
P1	Au1	Au3	132.93(4)
Au2	Au1	Au3	60.900(7)
C2S	C13	C2S	73.6(11)
C13A	P1	C1A	108.0(3)
C13A	P1	C7A	105.5(3)
C1A	P1	C7A	105.6(2)
C13A	P1	Au1	114.1(2)
C1A	P1	Au1	108.7(2)
C7A	P1	Au1	114.5(2)
C13B	P2	C7B	102.4(3)
C13B	P2	C1B	106.4(3)
C7B	P2	C1B	108.2(2)
C13B	P2	Au2	115.6(2)
C7B	P2	Au2	108.9(2)
C1B	P2	Au2	114.6(2)
C1C	P3	C7C	105.1(3)
C1C	P3	C13C	105.8(3)
C7C	P3	C13C	104.3(2)

Atom1	Atom2	Atom3	Angle(°)
C1C	P3	Au3	112.5(2)
C7C	P3	Au3	110.6(2)
C13C	P3	Au3	117.6(2)
C1	N1	Au2	123.2(3)
C1	N1	Au3	120.6(3)
Au2	N1	Au3	97.4(2)
C1	N1	Au1	118.7(3)
Au2	N1	Au1	92.0(2)
Au3	N1	Au1	98.9(2)
C7	N2	C4	123.1(4)
C2	C1	C6	116.2(4)
C2	C1	N1	122.2(5)
C6	C1	N1	121.6(4)
C3	C2	C1	122.9(5)
C2	C3	C4	119.9(5)
C5	C4	C3	118.5(5)
C5	C4	N2	120.1(5)
C3	C4	N2	121.4(5)
C4	C5	C6	120.9(5)
C5	C6	C1	121.5(5)
C8	C7	C12	118.1(5)
C8	C7	N2	123.6(5)
C12	C7	N2	118.2(5)
C7	C8	C9	121.0(6)
C10	C9	C8	120.3(6)
C11	C10	C9	118.9(6)
C10	C11	C12	121.2(6)
C11	C12	C7	120.4(6)
F2	B1	F1	110.0(5)
F2	B1	F3	109.0(5)
F1	B1	F3	109.7(5)
F2	B1	F4	109.9(5)
F1	B1	F4	110.2(5)
F3	B1	F4	107.9(5)

C2A	C1A	C6A	118.5(5)	C11B	C10B	C9B	120.2(5)
C2A	C1A	P1	119.5(4)	C10B	C11B	C12B	120.9(5)
C6A	C1A	P1	122.0(4)	C11B	C12B	C7B	119.9(5)
C3A	C2A	C1A	121.2(5)	C18B	C13B	C14B	118.6(6)
C2A	C3A	C4A	120.0(6)	C18B	C13B	P2	117.6(4)
C5A	C4A	C3A	119.7(6)	C14B	C13B	P2	123.6(5)
C6A	C5A	C4A	120.3(6)	C13B	C14B	C15B	119.6(6)
C5A	C6A	C1A	120.2(6)	C16B	C15B	C14B	121.5(6)
C12A	C7A	C8A	119.7(6)	C15B	C16B	C17B	119.5(6)
C12A	C7A	P1	122.0(5)	C16B	C17B	C18B	120.0(7)
C8A	C7A	P1	118.2(5)	C13B	C18B	C17B	120.7(6)
C7A	C8A	C9A	119.5(6)	C6C	C1C	C2C	118.3(5)
C10A	C9A	C8A	120.2(7)	C6C	C1C	P3	123.4(4)
C11A	C10A	C9A	120.8(7)	C2C	C1C	P3	118.2(4)
C10A	C11A	C12A	119.9(7)	C3C	C2C	C1C	121.0(6)
C7A	C12A	C11A	119.9(7)	C4C	C3C	C2C	119.1(6)
C14A	C13A	C18A	120.1(6)	C5C	C4C	C3C	121.2(6)
C14A	C13A	P1	122.4(5)	C4C	C5C	C6C	119.8(6)
C18A	C13A	P1	117.5(4)	C5C	C6C	C1C	120.6(6)
C13A	C14A	C15A	119.7(6)	C8C	C7C	C12C	119.1(5)
C14A	C15A	C16A	120.3(7)	C8C	C7C	P3	122.4(4)
C15A	C16A	C17A	120.0(7)	C12C	C7C	P3	118.1(4)
C18A	C17A	C16A	119.2(6)	C7C	C8C	C9C	120.4(6)
C17A	C18A	C13A	120.6(6)	C10C	C9C	C8C	119.6(6)
C2B	C1B	C6B	118.8(5)	C11C	C10C	C9C	120.3(5)
C2B	C1B	P2	122.8(4)	C10C	C11C	C12C	120.3(6)
C6B	C1B	P2	118.4(4)	C11C	C12C	C7C	120.3(5)
C3B	C2B	C1B	119.9(6)	C14C	C13C	C18C	118.5(5)
C4B	C3B	C2B	120.8(6)	C14C	C13C	P3	119.7(4)
C3B	C4B	C5B	120.2(6)	C18C	C13C	P3	121.9(4)
C4B	C5B	C6B	119.4(6)	C15C	C14C	C13C	121.0(5)
C1B	C6B	C5B	120.8(5)	C16C	C15C	C14C	119.8(5)
C12B	C7B	C8B	118.6(5)	C15C	C16C	C17C	120.6(5)
C12B	C7B	P2	121.5(4)	C16C	C17C	C18C	119.4(6)
C8B	C7B	P2	119.8(4)	C17C	C18C	C13C	120.7(5)
C9B	C8B	C7B	120.7(5)	C11	C1S	C12	111.7(4)
C8B	C9B	C10B	119.7(6)	C13	C2S	C13	106.4(11)