

## Role of Iron(II) Dilution in the Magnetic and Photomagnetic Properties of the Series $[\text{Fe}_x\text{Zn}_{1-x}(\text{bpp})_2](\text{NCSe})_2$

Chérif Baldé<sup>a,b</sup>, Cédric Desplanches<sup>a</sup>, Frédéric Le Gac<sup>a</sup>, Philippe Guionneau<sup>a</sup> and Jean-François Létard<sup>a</sup>

<sup>a</sup>CNRS, Université Bordeaux, ICMCB, Groupe des Sciences Moléculaires,  
87 Av. Doc. A. Schweitzer, F-33608 Pessac, France.  
Email: letard@icmcb-bordeaux.cnrs.fr

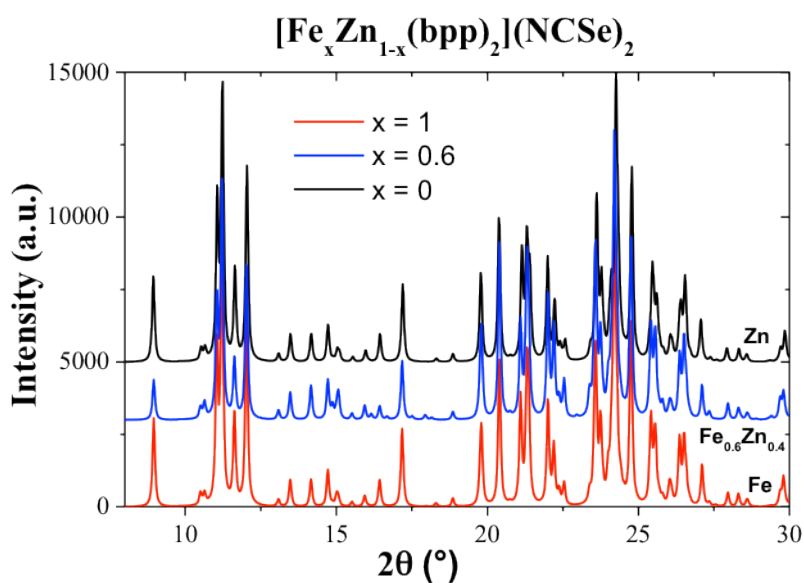
<sup>b</sup>Laboratoire de Chimie et Physique des Matériaux (LCPM) Université de Ziguinchor Bp: 523  
Ziguinchor- Sénégal. Fax: (+221) 339916809. Tel (+221) 339916809.  
Email: cbalde@univ-zig.sn

### Electronic Supplementary Information

**Figure SI.1** Room temperature powder X-ray diffraction patterns of  $[\text{Fe}_x\text{Zn}_{1-x}(\text{bpp})_2](\text{NCSe})_2$  ( $x = 1, 0.6$  and  $0$ )

**Table SI.1** : Elemental Analysis for the Mixed-Crystal complexes:  $[\text{Fe}_x\text{Zn}_{1-x}(\text{bpp})_2](\text{NCSe})_2$

- Details of the calculations for the kinetic studies.
- Structural Tables for the Mixed-Crystal complexe  $[\text{Fe}_{0.6}\text{Zn}_{0.4}(\text{bpp})_2](\text{NCSe})_2$  at 120 K and 298 K.



**Figure SI.1** Room temperature powder X-ray diffraction patterns of  $[\text{Fe}_x\text{Zn}_{1-x}(\text{bpp})_2](\text{NCSe})_2$  ( $x = 1, 0.6$  and  $0$ )

**Table SI.1** : Elemental Analysis for the Mixed-Crystal complexes:  $[\text{Fe}_x\text{Zn}_{1-x}(\text{bpp})_2](\text{NCSe})_2$

Compound	Calculate (% weight)			Experimental (% weight)		
	C	H	N	C	H	N
<b>1</b> : $[\text{Fe}(\text{bpp})_2](\text{NCSe})_2$	41,88	2,63	24,42	41,53	2,62	24,50
<b>2</b> : $[\text{Fe}_{0,8}\text{Zn}_{0,2}(\text{bpp})_2](\text{NCSe})_2$	41,76	2,62	24,35	41,40	2,59	24,31
<b>3</b> : $[\text{Fe}_{0,6}\text{Zn}_{0,4}(\text{bpp})_2](\text{NCSe})_2$	41,65	2,62	24,28	41,52	2,61	24,48
<b>4</b> : $[\text{Fe}_{0,45}\text{Zn}_{0,55}(\text{bpp})_2](\text{NCSe})_2$	41,56	2,61	24,23	41,13	2,59	24,25
<b>5</b> : $[\text{Fe}_{0,22}\text{Zn}_{0,78}(\text{bpp})_2](\text{NCSe})_2$	41,43	2,60	24,16	41,00	2,58	24,23
<b>6</b> : $[\text{Fe}_{0,11}\text{Zn}_{0,89}(\text{bpp})_2](\text{NCSe})_2$	41,37	2,60	24,12	40,82	2,50	23,83

## Details of the calculations for the kinetic study.

The equations used in order to model the kinetic decay of the photoexcited HS state in the case of a cooperative system are recalled bellow:

$$\frac{\partial \gamma_{HS}}{\partial t} = -k_{HL}^* \gamma_{HS} \quad (1)$$

$$k_{HL}^*(T, \gamma_{HS}) = k_{HL}(T) \exp[\alpha(T)(1 - \gamma_{HS})] \quad (2)$$

$$k_{HL}(T) = k_0 + k_{\infty} \cdot \exp(-E_a / k_B T) \quad (3)$$

$$\frac{\partial \gamma_{HS}}{\partial t} = -\gamma_{HS} \left\{ k_0 + k_{\infty} \exp\left(-\frac{E_a}{k_B T}\right) \right\} \cdot \exp[\alpha(T)(1 - \gamma_{HS})] \quad (4)$$

All the simulations have been realized using Origin 5.0 program. At each temperature, a simulation is done using 3 parameters, namely  $\gamma_{HS}(t=0)$ ,  $\alpha(T)$  and  $k_{HL}(T)$ . Integration of the first two equations is realized numerically by Origin 5.0 program.

More precisely, in the Origin 5.0 program, a column of equally spaced  $\gamma_{HS}$  is created and the time at which a given  $\gamma_{HS}$  is reached is calculated using the integration function of the Origin 5.0 program and an integrated version of equations 1 and 2:

$$t = \int_{\gamma_{HS}(t=0)}^{\gamma_{HS}(t)} \frac{d\gamma_{HS}}{-k_{HL}(T) \exp[\alpha(T)(1 - \gamma_{HS})] \gamma_{HS}}$$

The Arrhenius plot of  $\ln(k_{HL}(T))$  versus  $1/T$  allows the determination of  $E_a$  and  $k_{\infty}$ .

In order to get a reasonable fitting, it has also been necessary to take into account a Gaussian distribution of activation energy. Due to numerical difficulties, it has not been possible to use an exact distribution of activation energies. Instead, a standard deviation  $\sigma$  has been chosen, and a relaxation curve has been simulated for different activation energy values, namely  $E_a - 3\sigma$ ,  $E_a - 2\sigma$ ,  $E_a - \sigma$ ,  $E_a$ ,  $E_a + \sigma$ ,  $E_a + 2\sigma$ ,  $E_a + 3\sigma$ . The 7 different curves have thus been summed using the following Gaussian weighting:  $E_a$  : 39.9 %,  $E_a \pm \sigma$  : 24.2 %,  $E_a \pm 2\sigma$  : 5.4 %,  $E_a \pm 3\sigma$  : 0.45 %.

The  $\sigma$  parameter has been determined through trial and error.

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S U P P L E M E N T A R Y   M A T E R I A L  
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B E L O N G I N G   T O   T H E   P A P E R

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Table S1 - Crystal Data and Details of the Structure Determination  
for: bpp120 in P -1

Crystal Data			
Formula			?
Formula Weight			692.01
Crystal System			Triclinic
Space group	P-1		(No. 2)
a, b, c [Angstrom]	8.2142(16)	8.353(2)	19.855(4)
alpha, beta, gamma [deg]	87.724(9)	83.926(13)	88.701(13)
V [Ang**3]			1353.4(5)
Z			2
D(calc) [g/cm**3]			1.698
Mu(MoKa) [ /mm ]			3.423
F(000)			683
Crystal Size [mm]		0.00 x 0.00 x	0.00
Data Collection			
Temperature (K)			*****
Radiation [Angstrom]	MoKa		0.71073
Theta Min-Max [Deg]		0.0,	0.0
Dataset	999:-99 ; 999:-99 ; 999:-99		
Tot., Uniq. Data, R(int)	0,	0,	0.000
Observed data [I > 0.0 sigma(I)]			0
Refinement			
Nref, Npar		0,	0
R, wR2, S	0.0000,	0.0000,	0.00
w =			
Max. and Av. Shift/Error		0.00,	0.00
Min. and Max. Resd. Dens. [e/Ang^3]		0.00,	0.00

Table S2 - Final Coordinates and Equivalent Isotropic Displacement  
Parameters of the non-Hydrogen atoms  
for: bpp120 in P -1

Atom	x	y	z	U(eq) [Ang <sup>2</sup> ]
----	---	---	---	-----
*Fe1	0.71931(7)	0.23222(7)	0.24807(3)	0.0232(2)
*Zn1	0.71931(7)	0.23222(7)	0.24807(3)	0.0232(2)
N1	0.5686(5)	0.5897(5)	0.2447(3)	0.0435(17)
N2	0.6233(5)	0.4510(5)	0.2172(2)	0.0297(12)
N3	0.7233(4)	0.2137(5)	0.14795(19)	0.0252(12)
N4	0.8200(5)	0.0064(5)	0.2322(2)	0.0319(14)
N5	0.8796(5)	-0.1154(6)	0.2690(3)	0.0477(17)
N6	0.3684(6)	0.0704(5)	0.2626(3)	0.0442(17)
N7	0.4957(5)	0.1408(5)	0.2856(2)	0.0319(14)
N8	0.7205(5)	0.2514(5)	0.3479(2)	0.0284(12)
N9	0.9443(5)	0.3288(5)	0.2560(2)	0.0306(12)
N10	1.0767(5)	0.3725(5)	0.2147(3)	0.0450(17)
C1	0.5228(7)	0.6935(7)	0.1977(4)	0.052(2)
C2	0.5467(6)	0.6235(6)	0.1354(3)	0.0408(19)
C3	0.6098(6)	0.4702(6)	0.1505(3)	0.0290(17)
C4	0.6651(6)	0.3349(6)	0.1097(3)	0.0280(17)
C5	0.6621(6)	0.3220(7)	0.0406(3)	0.0349(17)
C6	0.7205(7)	0.1821(7)	0.0107(3)	0.0402(19)
C7	0.7830(6)	0.0590(7)	0.0494(3)	0.0368(17)
C8	0.7829(6)	0.0780(6)	0.1186(2)	0.0270(17)
C9	0.8424(6)	-0.0374(6)	0.1678(3)	0.0308(17)
C10	0.9167(7)	-0.1894(7)	0.1639(4)	0.047(2)
C11	0.9366(7)	-0.2350(7)	0.2297(4)	0.057(3)
C12	0.2606(7)	0.0213(7)	0.3144(4)	0.055(3)
C13	0.3173(7)	0.0597(7)	0.3738(3)	0.045(2)
C14	0.4661(6)	0.1349(6)	0.3540(3)	0.0311(17)

Table S2 - Final Coordinates and Equivalent Isotropic Displacement  
Parameters of the non-Hydrogen atoms (continued)  
for: bpp120 in P -1

Atom ----	x ---	y ---	z ---	U(eq) [Ang^2] -----
C15	0.5910(6)	0.2029(6)	0.3902(3)	0.0305(17)
C16	0.5854(7)	0.2174(7)	0.4599(3)	0.0407(19)
C17	0.7179(7)	0.2847(7)	0.4851(3)	0.046(2)
C18	0.8534(7)	0.3320(7)	0.4419(3)	0.0412(17)
C19	0.8500(6)	0.3154(6)	0.3731(3)	0.0309(17)
C20	0.9791(6)	0.3583(6)	0.3190(3)	0.0303(17)
C21	1.1365(7)	0.4204(7)	0.3169(4)	0.048(2)
C22	1.1943(7)	0.4278(7)	0.2497(4)	0.056(3)
Se1	0.86428(8)	0.80986(8)	0.43577(3)	0.0544(3)
N11	0.5915(7)	0.6505(6)	0.3802(3)	0.0538(19)
C23	0.6990(8)	0.7101(7)	0.4028(3)	0.044(2)
Se2	0.16967(8)	0.32871(8)	0.04954(3)	0.0512(2)
N12	0.3294(6)	0.0659(7)	0.1246(3)	0.0532(19)
C24	0.2703(7)	0.1677(8)	0.0947(3)	0.043(2)

U(eq) = 1/3 of the trace of the orthogonalized U Tensor

Starred Atom sites have a S.O.F less than 1.0

Table S3 - Hydrogen Atom Positions and Isotropic Displacement  
Parameters  
for: bpp120 in P -1

Atom	x	y	z	U(iso) [Ang <sup>2</sup> ]
----	---	---	---	-----
H1	0.48046	0.79867	0.20560	0.0619
H1N	0.56392	0.60878	0.28810	0.0521
H2	0.52537	0.66845	0.09242	0.0489
H5	0.62057	0.40762	0.01408	0.0419
H5N	0.88097	-0.11639	0.31324	0.0567
H6	0.71764	0.17076	-0.03656	0.0482
H6N	0.35709	0.05818	0.21952	0.0533
H7	0.82516	-0.03652	0.02918	0.0441
H10	0.94693	-0.24816	0.12441	0.0560
H10N	1.08573	0.36597	0.17033	0.0538
H11	0.98256	-0.33376	0.24471	0.0689
H12	0.16105	-0.03160	0.31035	0.0663
H13	0.26694	0.03980	0.41858	0.0543
H16	0.49342	0.18216	0.48934	0.0487
H17	0.71597	0.29854	0.53241	0.0541
H18	0.94622	0.37465	0.45914	0.0491
H21	1.19121	0.45092	0.35410	0.0573
H22	1.29849	0.46507	0.23107	0.0673

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The Temperature Factor has the Form of  $\text{Exp}(-T)$  Where  
 $T = 8 * (\text{Pi}^{**2}) * U * (\text{Sin}(\text{Theta}) / \text{Lambda})^{**2}$  for Isotropic Atoms



Table S4 - (An)isotropic Displacement Parameters  
for: bpp120 in P -1

Atom	U(1,1) or U	U(2,2)	U(3,3)	U(2,3)	U(1,3)	U(1,2)
----	-----	-----	-----	-----	-----	-----
Fe1	0.0204(4)	0.0234(4)	0.0258(3)	-0.0012(3)	-0.0027(3)	0.0033(3)
Zn1	0.0204(4)	0.0234(4)	0.0258(3)	-0.0012(3)	-0.0027(3)	0.0033(3)
N1	0.030(3)	0.035(3)	0.065(3)	-0.021(3)	0.005(2)	-0.002(2)
N2	0.024(2)	0.024(2)	0.041(2)	-0.0108(19)	0.0004(18)	-0.0021(18)
N3	0.019(2)	0.020(2)	0.036(2)	-0.0001(18)	-0.0005(17)	-0.0012(17)
N4	0.022(2)	0.031(3)	0.043(2)	0.010(2)	-0.0086(19)	-0.0034(19)
N5	0.037(3)	0.040(3)	0.068(3)	0.030(3)	-0.025(3)	-0.010(2)
N6	0.036(3)	0.033(3)	0.069(3)	-0.016(2)	-0.027(3)	0.009(2)
N7	0.028(2)	0.024(2)	0.046(3)	-0.004(2)	-0.016(2)	0.0081(19)
N8	0.027(2)	0.020(2)	0.038(2)	0.0022(18)	-0.0050(19)	0.0047(19)
N9	0.025(2)	0.024(2)	0.040(2)	0.0054(19)	0.0067(19)	0.0048(19)
N10	0.035(3)	0.034(3)	0.060(3)	0.005(2)	0.019(2)	0.005(2)
C1	0.032(3)	0.026(4)	0.096(5)	-0.010(3)	0.002(3)	0.008(3)
C2	0.029(3)	0.026(3)	0.068(4)	0.003(3)	-0.009(3)	-0.003(2)
C3	0.025(3)	0.022(3)	0.041(3)	0.001(2)	-0.010(2)	0.002(2)
C4	0.022(3)	0.023(3)	0.039(3)	0.001(2)	-0.004(2)	0.000(2)
C5	0.037(3)	0.036(3)	0.032(3)	0.003(2)	-0.007(2)	0.000(3)
C6	0.039(3)	0.050(4)	0.032(3)	-0.008(3)	-0.003(2)	-0.002(3)
C7	0.038(3)	0.032(3)	0.041(3)	-0.008(2)	-0.005(2)	0.004(3)
C8	0.022(3)	0.023(3)	0.036(3)	-0.003(2)	-0.002(2)	0.000(2)
C9	0.024(3)	0.021(3)	0.048(3)	0.001(2)	-0.007(2)	0.000(2)
C10	0.034(3)	0.025(3)	0.082(5)	-0.006(3)	-0.013(3)	0.003(3)
C11	0.035(4)	0.020(4)	0.120(6)	0.015(4)	-0.028(4)	-0.003(3)
C12	0.029(3)	0.025(4)	0.113(6)	-0.009(4)	-0.013(4)	0.002(3)
C13	0.032(3)	0.033(4)	0.069(4)	-0.003(3)	0.001(3)	0.001(3)
C14	0.025(3)	0.022(3)	0.046(3)	0.001(2)	-0.005(2)	0.005(2)

Table S4 - (An)isotropic Displacement Parameters (continued)  
for: bpp120 in P -1

Atom	U(1,1) or U	U(2,2)	U(3,3)	U(2,3)	U(1,3)	U(1,2)
C15	0.030(3)	0.022(3)	0.038(3)	0.003(2)	0.001(2)	0.001(2)
C16	0.042(3)	0.041(4)	0.037(3)	0.002(3)	0.002(3)	0.007(3)
C17	0.054(4)	0.049(4)	0.035(3)	0.003(3)	-0.015(3)	0.005(3)
C18	0.042(3)	0.036(3)	0.048(3)	0.001(3)	-0.018(3)	0.002(3)
C19	0.029(3)	0.025(3)	0.040(3)	-0.003(2)	-0.011(2)	0.009(2)
C20	0.026(3)	0.022(3)	0.043(3)	0.000(2)	-0.007(2)	0.008(2)
C21	0.025(3)	0.028(3)	0.093(5)	0.005(3)	-0.018(3)	0.004(3)
C22	0.025(3)	0.036(4)	0.106(6)	0.004(4)	0.001(3)	-0.003(3)
Se1	0.0558(4)	0.0621(5)	0.0469(4)	-0.0065(3)	-0.0137(3)	0.0087(3)
N11	0.052(3)	0.057(4)	0.051(3)	-0.014(3)	0.004(3)	0.005(3)
C23	0.052(4)	0.048(4)	0.029(3)	-0.001(3)	0.001(3)	0.016(3)
Se2	0.0548(4)	0.0481(4)	0.0502(4)	-0.0031(3)	-0.0010(3)	-0.0067(3)
N12	0.053(3)	0.050(4)	0.059(3)	-0.018(3)	-0.011(3)	-0.001(3)
C24	0.042(4)	0.043(4)	0.044(3)	-0.015(3)	0.004(3)	-0.009(3)

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The Temperature Factor has the Form of  $\text{Exp}(-T)$  Where  
 $T = 8 \cdot (\text{Pi}^2) \cdot U \cdot (\text{Sin}(\text{Theta}) / \text{Lambda})^2$  for Isotropic Atoms  
 $T = 2 \cdot (\text{Pi}^2) \cdot \text{Sum}_{ij} (h(i) \cdot h(j) \cdot U(i,j) \cdot \text{Astar}(i) \cdot \text{Astar}(j))$ , for  
Anisotropic Atoms.  $\text{Astar}(i)$  are Reciprocal Axial Lengths and  
 $h(i)$  are the Reflection Indices.

Table S5 - Bond Distances (Angstrom)  
for: bpp120 in P -1

Se1	-C23	1.802(6)	N9	-N10	1.339(6)
Se2	-C24	1.818(6)	N10	-C22	1.348(8)
Zn1	-N4	2.065(4)	N1	-H1N	0.8800
Zn1	-N3	1.997(4)	N5	-H5N	0.8800
Zn1	-N9	2.057(4)	N6	-H6N	0.8800
Zn1	-N7	2.059(4)	N10	-H10N	0.8800
Zn1	-N2	2.070(4)	N11	-C23	1.162(9)
Zn1	-N8	1.996(4)	N12	-C24	1.146(8)
Fe1	-N3	1.997(4)	C1	-C2	1.383(9)
Fe1	-N4	2.065(4)	C2	-C3	1.404(7)
Fe1	-N2	2.070(4)	C3	-C4	1.453(8)
Fe1	-N8	1.996(4)	C4	-C5	1.383(8)
Fe1	-N9	2.057(4)	C5	-C6	1.385(8)
Fe1	-N7	2.059(4)	C6	-C7	1.381(8)
N1	-C1	1.326(9)	C7	-C8	1.389(7)
N1	-N2	1.348(6)	C8	-C9	1.459(7)
N2	-C3	1.344(7)	C9	-C10	1.398(8)
N3	-C8	1.353(6)	C10	-C11	1.372(11)
N3	-C4	1.351(7)	C12	-C13	1.365(9)
N4	-C9	1.337(7)	C13	-C14	1.399(8)
N4	-N5	1.343(7)	C14	-C15	1.452(7)
N5	-C11	1.338(8)	C15	-C16	1.390(8)
N6	-C12	1.342(9)	C16	-C17	1.384(8)
N6	-N7	1.341(6)	C17	-C18	1.386(8)
N7	-C14	1.353(7)	C18	-C19	1.382(8)
N8	-C19	1.352(7)	C19	-C20	1.467(8)
N8	-C15	1.343(7)	C20	-C21	1.400(8)
N9	-C20	1.346(7)	C21	-C22	1.368(11)

Table S5 - Bond Distances (Angstrom) (continued)  
for: bpp120 in P -1

C1	-H1	0.9500	C12	-H12	0.9500
C2	-H2	0.9500	C13	-H13	0.9500
C5	-H5	0.9500	C16	-H16	0.9500
C6	-H6	0.9500	C17	-H17	0.9500
C7	-H7	0.9500	C18	-H18	0.9500
C10	-H10	0.9500	C21	-H21	0.9500
C11	-H11	0.9500	C22	-H22	0.9500

Table S6 - Bond Angles (Degrees)  
for: bpp120 in P -1

N2	-Zn1	-N3	76.90(16)	N7	-Fe1	-N9	154.55(16)
N2	-Zn1	-N4	154.04(16)	N8	-Fe1	-N9	77.07(16)
N2	-Zn1	-N7	94.53(16)	N2	-N1	-C1	111.1(5)
N2	-Zn1	-N8	103.41(17)	Fe1	-N2	-N1	138.6(4)
N2	-Zn1	-N9	92.14(16)	Fe1	-N2	-C3	115.6(3)
N3	-Zn1	-N4	77.15(16)	Zn1	-N2	-N1	138.6(4)
N3	-Zn1	-N7	103.69(15)	Zn1	-N2	-C3	115.6(3)
N3	-Zn1	-N8	178.77(16)	N1	-N2	-C3	105.8(4)
N3	-Zn1	-N9	101.74(15)	Fe1	-N3	-C4	120.4(3)
N4	-Zn1	-N7	92.28(16)	Fe1	-N3	-C8	119.6(3)
N4	-Zn1	-N8	102.52(16)	Zn1	-N3	-C4	120.4(3)
N4	-Zn1	-N9	92.38(17)	Zn1	-N3	-C8	119.6(3)
N7	-Zn1	-N8	77.50(16)	C4	-N3	-C8	120.0(4)
N7	-Zn1	-N9	154.55(16)	Fe1	-N4	-N5	138.0(4)
N8	-Zn1	-N9	77.07(16)	Fe1	-N4	-C9	116.1(3)
N2	-Fe1	-N3	76.90(16)	Zn1	-N4	-N5	138.0(4)
N2	-Fe1	-N4	154.04(16)	Zn1	-N4	-C9	116.1(3)
N2	-Fe1	-N7	94.53(16)	N5	-N4	-C9	105.9(4)
N2	-Fe1	-N8	103.41(17)	N4	-N5	-C11	111.3(5)
N2	-Fe1	-N9	92.14(16)	N7	-N6	-C12	110.5(5)
N3	-Fe1	-N4	77.15(16)	Fe1	-N7	-N6	138.7(4)
N3	-Fe1	-N7	103.69(15)	Fe1	-N7	-C14	115.0(3)
N3	-Fe1	-N8	178.77(16)	Zn1	-N7	-N6	138.7(4)
N3	-Fe1	-N9	101.74(15)	Zn1	-N7	-C14	115.0(3)
N4	-Fe1	-N7	92.28(16)	N6	-N7	-C14	106.1(4)
N4	-Fe1	-N8	102.52(16)	Fe1	-N8	-C15	119.9(3)
N4	-Fe1	-N9	92.38(17)	Fe1	-N8	-C19	120.3(4)
N7	-Fe1	-N8	77.50(16)	Zn1	-N8	-C15	119.9(3)

Table S6 - Bond Angles (Degrees) (continued)  
for: bpp120 in P -1

Zn1	-N8	-C19	120.3(4)	N3	-C8	-C7	121.2(4)
C15	-N8	-C19	119.8(4)	N3	-C8	-C9	112.0(4)
Fe1	-N9	-N10	137.9(3)	N4	-C9	-C10	110.3(5)
Fe1	-N9	-C20	116.4(3)	C8	-C9	-C10	134.6(6)
Zn1	-N9	-N10	137.9(3)	N4	-C9	-C8	115.1(4)
Zn1	-N9	-C20	116.4(3)	C9	-C10	-C11	104.8(6)
N10	-N9	-C20	105.7(4)	N5	-C11	-C10	107.7(5)
N9	-N10	-C22	111.4(5)	N6	-C12	-C13	108.9(5)
N2	-N1	-H1N	124.00	C12	-C13	-C14	104.6(5)
C1	-N1	-H1N	124.00	N7	-C14	-C13	110.0(5)
N4	-N5	-H5N	124.00	N7	-C14	-C15	115.7(5)
C11	-N5	-H5N	124.00	C13	-C14	-C15	134.3(5)
N7	-N6	-H6N	125.00	N8	-C15	-C14	111.8(5)
C12	-N6	-H6N	125.00	N8	-C15	-C16	121.7(5)
N9	-N10	-H10N	124.00	C14	-C15	-C16	126.5(5)
C22	-N10	-H10N	124.00	C15	-C16	-C17	118.0(5)
N1	-C1	-C2	108.8(5)	C16	-C17	-C18	120.6(5)
C1	-C2	-C3	103.8(5)	C17	-C18	-C19	118.3(5)
N2	-C3	-C2	110.5(5)	N8	-C19	-C20	111.4(5)
N2	-C3	-C4	115.7(5)	C18	-C19	-C20	127.0(5)
C2	-C3	-C4	133.8(5)	N8	-C19	-C18	121.6(5)
N3	-C4	-C3	111.4(5)	N9	-C20	-C19	114.8(4)
N3	-C4	-C5	121.1(5)	N9	-C20	-C21	110.2(5)
C3	-C4	-C5	127.5(5)	C19	-C20	-C21	134.9(6)
C4	-C5	-C6	118.9(5)	C20	-C21	-C22	105.0(6)
C5	-C6	-C7	120.2(5)	N10	-C22	-C21	107.6(5)
C6	-C7	-C8	118.6(5)	N1	-C1	-H1	126.00
C7	-C8	-C9	126.9(5)	C2	-C1	-H1	126.00

Table S6 - Bond Angles (Degrees) (continued)  
for: bpp120 in P -1

C1	-C2	-H2	128.00	C12	-C13	-H13	128.00
C3	-C2	-H2	128.00	C14	-C13	-H13	128.00
C4	-C5	-H5	121.00	C15	-C16	-H16	121.00
C6	-C5	-H5	121.00	C17	-C16	-H16	121.00
C5	-C6	-H6	120.00	C16	-C17	-H17	120.00
C7	-C6	-H6	120.00	C18	-C17	-H17	120.00
C6	-C7	-H7	121.00	C17	-C18	-H18	121.00
C8	-C7	-H7	121.00	C19	-C18	-H18	121.00
C9	-C10	-H10	128.00	C20	-C21	-H21	127.00
C11	-C10	-H10	128.00	C22	-C21	-H21	127.00
N5	-C11	-H11	126.00	N10	-C22	-H22	126.00
C10	-C11	-H11	126.00	C21	-C22	-H22	126.00
N6	-C12	-H12	126.00	Se1	-C23	-N11	177.7(6)
C13	-C12	-H12	126.00	Se2	-C24	-N12	177.8(5)

Table S7 - Torsion Angles (Degrees)  
for: bpp120 in P -1

N9	-Fe1	-N3	-C4	-91.0(4)
N2	-Fe1	-N3	-C8	179.3(4)
N3	-Fe1	-N2	-N1	-177.9(5)
N4	-Fe1	-N2	-N1	-176.2(4)
N7	-Fe1	-N2	-N1	79.1(5)
N8	-Fe1	-N2	-N1	0.9(5)
N9	-Fe1	-N2	-N1	-76.4(5)
N3	-Fe1	-N2	-C3	0.9(3)
N4	-Fe1	-N2	-C3	2.6(6)
N7	-Fe1	-N2	-C3	-102.1(4)
N8	-Fe1	-N2	-C3	179.7(3)
N9	-Fe1	-N2	-C3	102.5(4)
N2	-Fe1	-N3	-C4	-1.6(3)
N4	-Fe1	-N3	-C4	179.2(4)
N7	-Fe1	-N3	-C4	90.0(4)
N8	-Fe1	-N9	-C20	-1.1(4)
N7	-Fe1	-N8	-C15	-0.2(4)
N4	-Fe1	-N3	-C8	0.0(3)
N7	-Fe1	-N3	-C8	-89.2(3)
N9	-Fe1	-N3	-C8	89.8(4)
N2	-Fe1	-N4	-N5	176.7(4)
N3	-Fe1	-N4	-N5	178.4(5)
N7	-Fe1	-N4	-N5	-78.1(5)
N8	-Fe1	-N4	-N5	-0.4(5)
N9	-Fe1	-N4	-N5	76.9(5)
N2	-Fe1	-N4	-C9	0.3(6)
N3	-Fe1	-N4	-C9	2.0(3)
N7	-Fe1	-N4	-C9	105.5(4)



Table S7 - Torsion Angles (Degrees) (continued)  
for: bpp120 in P -1

N8	-Fe1	-N4	-C9	-176.8(4)
N9	-Fe1	-N4	-C9	-99.5(4)
N4	-Fe1	-N8	-C15	-89.8(4)
N9	-Fe1	-N7	-N6	-173.2(4)
N9	-Fe1	-N8	-C15	-179.4(4)
N2	-Fe1	-N8	-C19	-87.4(4)
N2	-Fe1	-N7	-N6	82.2(5)
N3	-Fe1	-N7	-N6	4.6(5)
N4	-Fe1	-N7	-N6	-72.8(5)
N8	-Fe1	-N7	-N6	-175.1(5)
N7	-Fe1	-N9	-C20	-3.0(6)
N2	-Fe1	-N7	-C14	-104.8(4)
N3	-Fe1	-N7	-C14	177.7(3)
N4	-Fe1	-N7	-C14	100.3(4)
N8	-Fe1	-N7	-C14	-2.0(3)
N9	-Fe1	-N7	-C14	-0.1(6)
N2	-Fe1	-N8	-C15	91.5(4)
N2	-Fe1	-N9	-N10	-78.9(5)
N3	-Fe1	-N9	-N10	-1.9(5)
N4	-Fe1	-N9	-N10	75.5(5)
N7	-Fe1	-N9	-N10	175.9(4)
N4	-Fe1	-N8	-C19	91.3(4)
N7	-Fe1	-N8	-C19	-179.2(4)
N9	-Fe1	-N8	-C19	1.7(4)
N4	-Fe1	-N9	-C20	-103.4(4)
N8	-Fe1	-N9	-N10	177.8(5)
N2	-Fe1	-N9	-C20	102.2(4)
N3	-Fe1	-N9	-C20	179.2(4)

Table S7 - Torsion Angles (Degrees) (continued)  
for: bpp120 in P -1

C1	-N1	-N2	-Fe1	178.6(4)
N2	-N1	-C1	-C2	0.1(6)
C1	-N1	-N2	-C3	-0.3(6)
Fe1	-N2	-C3	-C2	-178.8(3)
Fe1	-N2	-C3	-C4	-0.2(6)
N1	-N2	-C3	-C4	179.0(4)
N1	-N2	-C3	-C2	0.4(5)
Fe1	-N3	-C4	-C3	1.8(5)
C8	-N3	-C4	-C3	-179.0(4)
C4	-N3	-C8	-C7	-1.2(7)
Fe1	-N3	-C8	-C9	-1.8(5)
C4	-N3	-C8	-C9	179.0(4)
C8	-N3	-C4	-C5	1.3(7)
Fe1	-N3	-C8	-C7	178.0(4)
Fe1	-N3	-C4	-C5	-177.9(4)
C9	-N4	-N5	-C11	-0.8(6)
N5	-N4	-C9	-C8	179.0(4)
N5	-N4	-C9	-C10	0.2(6)
Fe1	-N4	-C9	-C8	-3.5(6)
Fe1	-N4	-N5	-C11	-177.5(4)
Fe1	-N4	-C9	-C10	177.7(4)
N4	-N5	-C11	-C10	1.1(6)
C12	-N6	-N7	-C14	0.1(6)
C12	-N6	-N7	-Fe1	173.6(4)
N7	-N6	-C12	-C13	-0.1(6)
N6	-N7	-C14	-C13	-0.2(6)
Fe1	-N7	-C14	-C13	-175.4(4)
N6	-N7	-C14	-C15	179.0(4)

Table S7 - Torsion Angles (Degrees) (continued)  
for: bpp120 in P -1

Fe1	-N7	-C14	-C15	3.8(6)
Fe1	-N8	-C15	-C16	-178.6(4)
C15	-N8	-C19	-C20	179.2(4)
C19	-N8	-C15	-C16	0.4(8)
Fe1	-N8	-C19	-C20	-1.9(6)
Fe1	-N8	-C15	-C14	2.2(6)
C19	-N8	-C15	-C14	-178.9(4)
C15	-N8	-C19	-C18	0.3(7)
Fe1	-N8	-C19	-C18	179.2(4)
C20	-N9	-N10	-C22	0.4(6)
N10	-N9	-C20	-C19	-178.8(4)
Fe1	-N9	-C20	-C19	0.4(6)
Fe1	-N9	-C20	-C21	178.8(4)
N10	-N9	-C20	-C21	-0.4(6)
Fe1	-N9	-N10	-C22	-178.6(4)
N9	-N10	-C22	-C21	-0.1(6)
N1	-C1	-C2	-C3	0.2(6)
C1	-C2	-C3	-N2	-0.4(6)
C1	-C2	-C3	-C4	-178.6(6)
C2	-C3	-C4	-C5	-3.1(9)
N2	-C3	-C4	-N3	-1.0(6)
N2	-C3	-C4	-C5	178.8(5)
C2	-C3	-C4	-N3	177.2(5)
C3	-C4	-C5	-C6	-179.9(5)
N3	-C4	-C5	-C6	-0.2(8)
C4	-C5	-C6	-C7	-1.0(8)
C5	-C6	-C7	-C8	1.2(8)
C6	-C7	-C8	-C9	179.7(5)

Table S7 - Torsion Angles (Degrees) (continued)  
for: bpp120 in P -1

C6	-C7	-C8	-N3	-0.1(8)
C7	-C8	-C9	-N4	-176.4(5)
C7	-C8	-C9	-C10	2.0(10)
N3	-C8	-C9	-C10	-178.2(6)
N3	-C8	-C9	-N4	3.4(6)
N4	-C9	-C10	-C11	0.4(6)
C8	-C9	-C10	-C11	-178.0(6)
C9	-C10	-C11	-N5	-0.9(6)
N6	-C12	-C13	-C14	0.0(6)
C12	-C13	-C14	-N7	0.1(6)
C12	-C13	-C14	-C15	-178.9(6)
C13	-C14	-C15	-C16	-4.1(10)
C13	-C14	-C15	-N8	175.1(6)
N7	-C14	-C15	-C16	177.0(5)
N7	-C14	-C15	-N8	-3.9(6)
C14	-C15	-C16	-C17	179.5(5)
N8	-C15	-C16	-C17	0.3(8)
C15	-C16	-C17	-C18	-1.7(9)
C16	-C17	-C18	-C19	2.3(9)
C17	-C18	-C19	-C20	179.8(5)
C17	-C18	-C19	-N8	-1.6(8)
N8	-C19	-C20	-C21	-176.9(6)
C18	-C19	-C20	-C21	1.9(10)
N8	-C19	-C20	-N9	0.9(6)
C18	-C19	-C20	-N9	179.7(5)
C19	-C20	-C21	-C22	178.3(6)
N9	-C20	-C21	-C22	0.4(6)
C20	-C21	-C22	-N10	-0.2(6)

Table S8 - Contact Distances(Angstrom)  
for: bpp120 in P -1

Se1	.C18_l	3.677(6)	N4	.N8	3.168(6)
Se1	.N5_a	3.335(6)	N4	.N9	2.974(6)
Se2	.C5_k	3.588(6)	N5	.Se1_c	3.335(6)
Se2	.N10_b	3.320(6)	N5	.C23_c	3.216(8)
Se1	.H5N_a	2.4800	N6	.N12	2.794(8)
Se1	.H16_m	3.1500	N6	.C22_b	3.293(7)
Se1	.H13_m	3.2700	N7	.N8	2.539(6)
Se1	.H18_l	3.0800	N7	.N4	2.974(6)
Se2	.H7_n	2.9500	N7	.N3	3.190(5)
Se2	.H10N_b	2.4500	N7	.N2	3.033(6)
Se2	.H5_k	2.9800	N7	.C15	2.376(7)
N1	.C11_a	3.368(7)	N8	.N7	2.539(6)
N1	.C22_b	3.377(7)	N8	.N9	2.525(6)
N1	.N11	2.784(8)	N8	.N4	3.168(6)
N2	.N7	3.033(6)	N8	.C20	2.329(7)
N2	.N3	2.529(6)	N8	.N2	3.192(6)
N2	.N8	3.192(6)	N8	.C14	2.315(6)
N2	.N9	2.972(6)	N9	.N2	2.972(6)
N2	.C4	2.368(7)	N9	.N4	2.974(6)
N3	.N7	3.190(5)	N9	.N8	2.525(6)
N3	.C9	2.331(6)	N9	.N3	3.145(5)
N3	.N2	2.529(6)	N9	.C19	2.371(7)
N3	.N4	2.533(6)	N10	.Se2_f	3.320(6)
N3	.N9	3.145(5)	N10	.C24_f	3.245(8)
N3	.C3	2.317(6)	N11	.N1	2.784(8)
N4	.N3	2.533(6)	N12	.N6	2.794(8)
N4	.C8	2.360(6)	N1	.H22_b	2.5200
N4	.N7	2.974(6)	N2	.H22_b	2.6500

Table S8 - Contact Distances(Angstrom) (continued)  
for: bpp120 in P -1

N5	.H12_d	2.6500	C19	.C23	3.545(8)
N6	.H1_e	2.6800	C20	.C12_d	3.600(8)
N9	.H11_a	2.8400	C21	.C12_d	3.465(8)
N10	.H11_a	2.6300	C21	.C13_d	3.527(8)
N11	.H1N	1.9100	C22	.C1_d	3.574(9)
N11	.H17_m	2.9400	C22	.N1_d	3.377(7)
N12	.H6_n	2.7500	C22	.N6_d	3.293(7)
N12	.H6N	1.9200	C22	.C11_a	3.520(8)
C1	.C9_a	3.483(8)	C23	.C16_m	3.461(9)
C1	.C10_a	3.392(8)	C23	.C19	3.545(8)
C1	.C11_a	3.591(8)	C23	.N5_a	3.216(8)
C1	.C22_b	3.574(9)	C23	.C18	3.467(8)
C2	.C10_a	3.557(8)	C24	.N10_b	3.245(8)
C5	.C24	3.538(8)	C24	.C7_n	3.563(9)
C5	.Se2_g	3.588(6)	C24	.C5	3.538(8)
C7	.C24_h	3.563(9)	C1	.H22_b	2.7000
C9	.C1_e	3.483(8)	C2	.H22_b	2.9400
C10	.C1_e	3.392(8)	C2	.H5	3.0700
C10	.C2_e	3.557(8)	C3	.H22_b	2.8700
C11	.C22_e	3.520(8)	C10	.H7	3.0800
C11	.N1_e	3.368(7)	C13	.H16	3.0600
C11	.C1_e	3.591(8)	C20	.H11_a	2.9100
C12	.C20_b	3.600(8)	C21	.H11_a	2.8100
C12	.C21_b	3.465(8)	C21	.H18	3.0900
C13	.C21_b	3.527(8)	C22	.H11_a	2.6200
C16	.C23_i	3.461(9)	C23	.H5N_a	2.6100
C18	.Se1_j	3.677(6)	C23	.H1N	2.8000
C18	.C23	3.467(8)	C23	.H16_m	2.7000

Table S8 - Contact Distances(Angstrom) (continued)  
for: bpp120 in P -1

C24	.H10N_b	2.6300	H10N	.Se2_f	2.4500
C24	.H7_n	2.9200	H10N	.C24_f	2.6300
C24	.H6_n	3.0900	H11	.N9_e	2.8400
C24	.H6N	2.7700	H11	.N10_e	2.6300
H1	.N6_a	2.6800	H11	.C20_e	2.9100
H1	.H6N_a	2.3900	H11	.C21_e	2.8100
H1N	.C23	2.8000	H11	.C22_e	2.6200
H1N	.N11	1.9100	H12	.N5_b	2.6500
H5	.H5_k	2.5800	H12	.H5N_b	2.4200
H5	.C2	3.0700	H13	.Se1_i	3.2700
H5	.Se2_g	2.9800	H16	.C13	3.0600
H5N	.Se1_c	2.4800	H16	.Se1_i	3.1500
H5N	.C23_c	2.6100	H16	.C23_i	2.7000
H5N	.H12_d	2.4200	H17	.N11_i	2.9400
H6	.N12_h	2.7500	H18	.C21	3.0900
H6	.C24_h	3.0900	H18	.Se1_j	3.0800
H6N	.N12	1.9200	H22	.N1_d	2.5200
H6N	.C24	2.7700	H22	.N2_d	2.6500
H6N	.H1_e	2.3900	H22	.C1_d	2.7000
H7	.C10	3.0800	H22	.C2_d	2.9400
H7	.Se2_h	2.9500	H22	.C3_d	2.8700
H7	.C24_h	2.9200			

Table S9 - Hydrogen Bonds (Angstrom, Deg)  
for: bpp120 in P -1

N1	--	H1N	..	N11	0.8800	1.9100	2.784(8)	171.00	.
N5	--	H5N	..	Se1	0.8800	2.4800	3.335(6)	166.00	1_545
N6	--	H6N	..	N12	0.8800	1.9200	2.794(8)	171.00	.
N10	--	H10N	..	Se2	0.8800	2.4500	3.320(6)	168.00	1_655
C7	--	H7	..	Se2	0.9500	2.9500	3.845(6)	158.00	2_655
C22	--	H22	..	N1	0.9500	2.5200	3.377(7)	151.00	1_655



# Translation of Symmetry Code to Equiv.Pos

a =[ 1565.00 ] = x,1+y,z  
b =[ 1455.00 ] = -1+x,y,z  
c =[ 1545.00 ] = x,-1+y,z  
d =[ 1655.00 ] = 1+x,y,z  
g =[ 2665.00 ] = 1-x,1-y,-z  
h =[ 2655.00 ] = 1-x,-y,-z  
i =[ 2666.00 ] = 1-x,1-y,1-z  
j =[ 2766.00 ] = 2-x,1-y,1-z  
k =[ 2665.00 ] = 1-x,1-y,-z  
l =[ 2766.00 ] = 2-x,1-y,1-z  
m =[ 2666.00 ] = 1-x,1-y,1-z

=====  
S U P P L E M E N T A R Y   M A T E R I A L  
=====  
B E L O N G I N G   T O   T H E   P A P E R

b y

C o n t e n t s  
=====

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for: bpp in P -1

Table S1 - Crystal Data and Details of the Structure Determination  
for: bpp in P -1

Crystal Data			
Formula			?
Formula Weight			692.48
Crystal System			Triclinic
Space group	P-1		(No. 2)
a, b, c [Angstrom]	8.368(1)	8.426(2)	19.889(5)
alpha, beta, gamma [deg]	87.024(8)	83.163(6)	88.898(9)
V [Ang**3]			1390.4(5)
Z			2
D(calc) [g/cm**3]			1.654
Mu(MoKa) [ /mm ]			3.348
F(000)			684
Crystal Size [mm]		0.00 x 0.00 x	0.00
Data Collection			
Temperature (K)			*****
Radiation [Angstrom]	MoKa		0.71073
Theta Min-Max [Deg]		0.0,	0.0
Dataset	999:-99 ; 999:-99 ; 999:-99		
Tot., Uniq. Data, R(int)	0,	0,	0.000
Observed data [I > 0.0 sigma(I)]			0
Refinement			
Nref, Npar		0,	0
R, wR2, S	0.0000,	0.0000,	0.00
w =			
Max. and Av. Shift/Error		0.00,	0.00
Min. and Max. Resd. Dens. [e/Ang^3]		0.00,	0.00

Table S2 - Final Coordinates and Equivalent Isotropic Displacement Parameters of the non-Hydrogen atoms for: bpp in P -1

Atom	x	y	z	U(eq) [Ang <sup>2</sup> ]
----	---	---	---	-----
*Fe1	0.73503(8)	0.22740(8)	0.24897(3)	0.0450(3)
*Zn1	0.73503(8)	0.22740(8)	0.24897(3)	0.0450(3)
N1	0.5834(5)	0.5967(5)	0.2367(2)	0.0541(17)
N2	0.6377(5)	0.4564(5)	0.2125(2)	0.0433(16)
N3	0.7365(5)	0.2126(5)	0.14346(19)	0.0432(16)
N4	0.8402(5)	-0.0061(5)	0.2248(2)	0.0504(17)
N5	0.9067(6)	-0.1310(6)	0.2563(3)	0.0650(17)
N6	0.3756(6)	0.0602(5)	0.2736(2)	0.0608(17)
N7	0.5027(5)	0.1325(5)	0.2933(2)	0.0483(17)
N8	0.7273(5)	0.2512(5)	0.35451(19)	0.0446(16)
N9	0.9661(5)	0.3264(5)	0.2647(2)	0.0504(17)
N10	1.1054(6)	0.3690(5)	0.2278(3)	0.0586(17)
C1	0.5376(7)	0.6935(7)	0.1865(3)	0.068(3)
C2	0.5614(7)	0.6168(7)	0.1279(3)	0.063(2)
C3	0.6239(6)	0.4696(6)	0.1458(3)	0.0458(17)
C4	0.6776(6)	0.3319(6)	0.1067(3)	0.0473(19)
C5	0.6695(7)	0.3233(7)	0.0377(3)	0.061(2)
C6	0.7232(8)	0.1857(8)	0.0074(3)	0.072(3)
C7	0.7850(7)	0.0635(7)	0.0445(3)	0.063(2)
C8	0.7915(6)	0.0795(6)	0.1130(3)	0.0498(19)
C9	0.8540(6)	-0.0383(6)	0.1590(3)	0.0482(19)
C10	0.9299(7)	-0.1858(7)	0.1491(3)	0.069(3)
C11	0.9588(8)	-0.2403(8)	0.2121(4)	0.081(3)
C12	0.2704(8)	0.0178(7)	0.3269(3)	0.074(3)
C13	0.3268(7)	0.0623(7)	0.3839(3)	0.069(3)
C14	0.4733(7)	0.1327(7)	0.3607(3)	0.054(2)

Table S2 - Final Coordinates and Equivalent Isotropic Displacement  
Parameters of the non-Hydrogen atoms (continued)  
for: bpp in P -1

Atom ----	x ---	y ---	z ---	U(eq) [Ang <sup>2</sup> ] -----
C15	0.5948(7)	0.2056(6)	0.3952(3)	0.053(2)
C16	0.5840(8)	0.2247(8)	0.4650(3)	0.075(3)
C17	0.7100(10)	0.2934(8)	0.4906(3)	0.086(3)
C18	0.8453(8)	0.3373(8)	0.4486(3)	0.072(3)
C19	0.8501(7)	0.3156(6)	0.3796(3)	0.052(2)
C20	0.9837(7)	0.3569(6)	0.3287(3)	0.051(2)
C21	1.1361(7)	0.4183(7)	0.3321(4)	0.071(3)
C22	1.2079(7)	0.4251(7)	0.2670(4)	0.076(3)
Se1	0.86985(10)	0.81452(10)	0.42767(4)	0.0928(3)
N11	0.6039(8)	0.6627(8)	0.3715(3)	0.097(3)
C23	0.7079(9)	0.7194(9)	0.3947(3)	0.076(3)
Se2	0.18568(9)	0.31273(9)	0.06115(3)	0.0846(3)
N12	0.3426(7)	0.0514(7)	0.1346(3)	0.089(3)
C24	0.2831(8)	0.1519(8)	0.1051(3)	0.066(3)

U(eq) = 1/3 of the trace of the orthogonalized U Tensor

Starred Atom sites have a S.O.F less than 1.0

Table S3 - Hydrogen Atom Positions and Isotropic Displacement  
Parameters  
for: bpp in P -1

Atom	x	y	z	U(iso) [Ang <sup>2</sup> ]
H1	0.49641	0.79615	0.19124	0.0816
H1N	0.57879	0.62068	0.27835	0.0648
H2	0.54039	0.65473	0.08509	0.0749
H5	0.62899	0.40792	0.01265	0.0734
H5N	0.91462	-0.13948	0.29908	0.0777
H6	0.71732	0.17594	-0.03856	0.0869
H6N	0.36378	0.04340	0.23216	0.0727
H7	0.82212	-0.02912	0.02398	0.0756
H10	0.95513	-0.23559	0.10851	0.0827
H10N	1.12570	0.36110	0.18467	0.0705
H11	1.00670	-0.33742	0.22270	0.0972
H12	0.17388	-0.03387	0.32512	0.0892
H13	0.27869	0.04893	0.42843	0.0828
H16	0.49336	0.19158	0.49351	0.0900
H17	0.70330	0.31020	0.53672	0.1030
H18	0.93220	0.38075	0.46586	0.0865
H21	1.17913	0.44811	0.37054	0.0849
H22	1.31067	0.46234	0.25229	0.0906

=====  
The Temperature Factor has the Form of  $\text{Exp}(-T)$  Where  
 $T = 8 * (\text{Pi} ** 2) * U * (\text{Sin}(\text{Theta}) / \text{Lambda}) ** 2$  for Isotropic Atoms

Table S4 - (An)isotropic Displacement Parameters  
for: bpp in P -1

Atom	U(1,1) or U	U(2,2)	U(3,3)	U(2,3)	U(1,3)	U(1,2)
----	-----	-----	-----	-----	-----	-----
Fe1	0.0461(5)	0.0477(5)	0.0417(4)	-0.0045(3)	-0.0069(3)	0.0023(3)
Zn1	0.0461(5)	0.0477(5)	0.0417(4)	-0.0045(3)	-0.0069(3)	0.0023(3)
N1	0.046(3)	0.053(3)	0.065(3)	-0.013(2)	-0.009(2)	-0.002(2)
N2	0.043(3)	0.038(3)	0.050(2)	-0.0067(19)	-0.0083(19)	0.002(2)
N3	0.046(3)	0.037(3)	0.047(2)	-0.004(2)	-0.0074(19)	0.003(2)
N4	0.052(3)	0.043(3)	0.056(3)	0.002(2)	-0.008(2)	0.001(2)
N5	0.062(3)	0.053(3)	0.081(3)	0.011(3)	-0.019(3)	-0.003(3)
N6	0.059(3)	0.053(3)	0.072(3)	-0.008(3)	-0.012(3)	-0.002(3)
N7	0.039(3)	0.049(3)	0.059(3)	-0.007(2)	-0.012(2)	-0.002(2)
N8	0.042(3)	0.050(3)	0.043(2)	-0.004(2)	-0.010(2)	0.001(2)
N9	0.041(3)	0.043(3)	0.066(3)	-0.006(2)	-0.001(2)	0.003(2)
N10	0.049(3)	0.046(3)	0.078(3)	-0.003(2)	0.003(3)	0.006(2)
C1	0.064(4)	0.043(4)	0.098(5)	0.003(4)	-0.019(4)	0.010(3)
C2	0.068(4)	0.054(4)	0.068(4)	0.002(3)	-0.022(3)	0.005(3)
C3	0.045(3)	0.038(3)	0.056(3)	0.001(2)	-0.014(2)	0.002(3)
C4	0.047(3)	0.046(4)	0.050(3)	-0.003(3)	-0.010(2)	-0.003(3)
C5	0.074(4)	0.060(4)	0.051(3)	0.001(3)	-0.018(3)	0.002(3)
C6	0.088(5)	0.087(5)	0.043(3)	-0.011(3)	-0.009(3)	0.000(4)
C7	0.071(4)	0.063(4)	0.057(3)	-0.020(3)	-0.008(3)	0.008(3)
C8	0.048(3)	0.050(4)	0.051(3)	-0.007(3)	-0.002(2)	-0.003(3)
C9	0.042(3)	0.042(4)	0.061(3)	-0.007(3)	-0.006(2)	0.000(3)
C10	0.067(4)	0.049(4)	0.090(5)	-0.016(3)	-0.003(4)	0.014(3)
C11	0.081(5)	0.043(4)	0.118(6)	0.001(4)	-0.012(4)	0.013(4)
C12	0.059(4)	0.072(5)	0.091(5)	0.003(4)	-0.007(4)	-0.018(4)
C13	0.054(4)	0.079(5)	0.070(4)	0.009(3)	0.007(3)	-0.015(3)
C14	0.053(4)	0.052(4)	0.056(3)	-0.002(3)	-0.005(3)	0.006(3)

Table S4 - (An)isotropic Displacement Parameters (continued)  
for: bpp in P -1

Atom	U(1,1) or U	U(2,2)	U(3,3)	U(2,3)	U(1,3)	U(1,2)
C15	0.058(4)	0.055(4)	0.045(3)	-0.004(3)	-0.002(3)	0.005(3)
C16	0.091(5)	0.084(5)	0.046(3)	-0.001(3)	0.007(3)	-0.002(4)
C17	0.125(7)	0.091(6)	0.044(3)	-0.008(3)	-0.018(4)	-0.013(5)
C18	0.084(5)	0.079(5)	0.057(4)	-0.009(3)	-0.022(4)	-0.006(4)
C19	0.056(4)	0.051(4)	0.050(3)	-0.004(3)	-0.013(3)	0.007(3)
C20	0.047(4)	0.038(3)	0.070(4)	-0.010(3)	-0.020(3)	0.007(3)
C21	0.053(4)	0.067(5)	0.098(5)	-0.015(4)	-0.028(4)	-0.003(3)
C22	0.035(4)	0.062(5)	0.131(6)	-0.006(4)	-0.012(4)	0.000(3)
Se1	0.0965(6)	0.1102(7)	0.0742(5)	-0.0107(4)	-0.0187(4)	0.0002(5)
N11	0.100(5)	0.125(6)	0.069(4)	-0.023(4)	-0.012(3)	0.003(4)
C23	0.090(6)	0.087(5)	0.049(4)	-0.007(3)	-0.002(3)	0.024(4)
Se2	0.0999(6)	0.0811(5)	0.0724(4)	-0.0012(4)	-0.0096(4)	-0.0030(4)
N12	0.109(5)	0.080(4)	0.080(4)	-0.013(3)	-0.021(3)	0.010(4)
C24	0.077(5)	0.066(5)	0.056(4)	-0.015(3)	-0.008(3)	-0.009(4)

=====

The Temperature Factor has the Form of  $\text{Exp}(-T)$  Where  
 $T = 8 \cdot (\text{Pi}^2) \cdot U \cdot (\text{Sin}(\text{Theta}) / \text{Lambda})^2$  for Isotropic Atoms  
 $T = 2 \cdot (\text{Pi}^2) \cdot \text{Sum}_{ij} (h(i) \cdot h(j) \cdot U(i,j) \cdot \text{Astar}(i) \cdot \text{Astar}(j))$ , for  
Anisotropic Atoms.  $\text{Astar}(i)$  are Reciprocal Axial Lengths and  
 $h(i)$  are the Reflection Indices.



Table S5 - Bond Distances (Angstrom)  
for: bpp in P -1

Se1	-C23	1.794(7)	N9	-N10	1.346(7)
Se2	-C24	1.808(7)	N10	-C22	1.334(8)
Zn1	-N4	2.193(4)	N1	-H1N	0.8600
Zn1	-N3	2.107(4)	N5	-H5N	0.8600
Zn1	-N9	2.183(4)	N6	-H6N	0.8600
Zn1	-N7	2.185(4)	N10	-H10N	0.8600
Zn1	-N2	2.202(4)	N11	-C23	1.155(10)
Zn1	-N8	2.112(4)	N12	-C24	1.145(9)
Fe1	-N3	2.107(4)	C1	-C2	1.354(8)
Fe1	-N4	2.193(4)	C2	-C3	1.383(8)
Fe1	-N2	2.202(4)	C3	-C4	1.464(8)
Fe1	-N8	2.112(4)	C4	-C5	1.388(8)
Fe1	-N9	2.183(4)	C5	-C6	1.378(9)
Fe1	-N7	2.185(4)	C6	-C7	1.365(9)
N1	-C1	1.343(7)	C7	-C8	1.384(8)
N1	-N2	1.350(6)	C8	-C9	1.448(8)
N2	-C3	1.344(7)	C9	-C10	1.397(8)
N3	-C8	1.349(7)	C10	-C11	1.359(10)
N3	-C4	1.334(7)	C12	-C13	1.352(8)
N4	-C9	1.341(7)	C13	-C14	1.390(8)
N4	-N5	1.342(7)	C14	-C15	1.455(8)
N5	-C11	1.337(9)	C15	-C16	1.398(8)
N6	-C12	1.333(8)	C16	-C17	1.374(10)
N6	-N7	1.343(6)	C17	-C18	1.369(10)
N7	-C14	1.334(7)	C18	-C19	1.390(8)
N8	-C19	1.331(7)	C19	-C20	1.451(8)
N8	-C15	1.343(7)	C20	-C21	1.396(8)
N9	-C20	1.337(7)	C21	-C22	1.360(11)

Table S5 - Bond Distances (Angstrom) (continued)  
for: bpp in P -1

C1	-H1	0.9300	C12	-H12	0.9300
C2	-H2	0.9300	C13	-H13	0.9300
C5	-H5	0.9300	C16	-H16	0.9300
C6	-H6	0.9300	C17	-H17	0.9300
C7	-H7	0.9300	C18	-H18	0.9300
C10	-H10	0.9300	C21	-H21	0.9300
C11	-H11	0.9300	C22	-H22	0.9300

Table S6 - Bond Angles (Degrees)  
for: bpp in P -1

N2	-Zn1	-N3	74.10(16)	N7	-Fe1	-N9	148.23(15)
N2	-Zn1	-N4	148.24(15)	N8	-Fe1	-N9	73.88(16)
N2	-Zn1	-N7	95.46(16)	N2	-N1	-C1	110.4(4)
N2	-Zn1	-N8	103.48(16)	Fe1	-N2	-N1	139.6(3)
N2	-Zn1	-N9	93.95(16)	Fe1	-N2	-C3	115.3(3)
N3	-Zn1	-N4	74.18(16)	Zn1	-N2	-N1	139.6(3)
N3	-Zn1	-N7	105.13(16)	Zn1	-N2	-C3	115.3(3)
N3	-Zn1	-N8	177.52(17)	N1	-N2	-C3	105.1(4)
N3	-Zn1	-N9	106.63(16)	Fe1	-N3	-C4	120.4(3)
N4	-Zn1	-N7	94.41(16)	Fe1	-N3	-C8	120.1(3)
N4	-Zn1	-N8	108.25(16)	Zn1	-N3	-C4	120.4(3)
N4	-Zn1	-N9	93.35(16)	Zn1	-N3	-C8	120.1(3)
N7	-Zn1	-N8	74.43(16)	C4	-N3	-C8	119.5(4)
N7	-Zn1	-N9	148.23(15)	Fe1	-N4	-N5	138.9(4)
N8	-Zn1	-N9	73.88(16)	Fe1	-N4	-C9	115.2(3)
N2	-Fe1	-N3	74.10(16)	Zn1	-N4	-N5	138.9(4)
N2	-Fe1	-N4	148.24(15)	Zn1	-N4	-C9	115.2(3)
N2	-Fe1	-N7	95.46(16)	N5	-N4	-C9	105.8(4)
N2	-Fe1	-N8	103.48(16)	N4	-N5	-C11	110.7(5)
N2	-Fe1	-N9	93.95(16)	N7	-N6	-C12	110.8(4)
N3	-Fe1	-N4	74.18(16)	Fe1	-N7	-N6	139.0(3)
N3	-Fe1	-N7	105.13(16)	Fe1	-N7	-C14	115.9(4)
N3	-Fe1	-N8	177.52(17)	Zn1	-N7	-N6	139.0(3)
N3	-Fe1	-N9	106.63(16)	Zn1	-N7	-C14	115.9(4)
N4	-Fe1	-N7	94.41(16)	N6	-N7	-C14	105.0(4)
N4	-Fe1	-N8	108.25(16)	Fe1	-N8	-C15	119.0(4)
N4	-Fe1	-N9	93.35(16)	Fe1	-N8	-C19	120.1(4)
N7	-Fe1	-N8	74.43(16)	Zn1	-N8	-C15	119.0(4)

Table S6 - Bond Angles (Degrees) (continued)  
for: bpp in P -1

Zn1	-N8	-C19	120.1(4)	N3	-C8	-C7	121.1(5)
C15	-N8	-C19	120.9(5)	N3	-C8	-C9	113.2(5)
Fe1	-N9	-N10	138.6(4)	N4	-C9	-C10	110.2(5)
Fe1	-N9	-C20	115.7(3)	C8	-C9	-C10	132.6(5)
Zn1	-N9	-N10	138.6(4)	N4	-C9	-C8	117.2(5)
Zn1	-N9	-C20	115.7(3)	C9	-C10	-C11	104.6(5)
N10	-N9	-C20	105.7(4)	N5	-C11	-C10	108.6(6)
N9	-N10	-C22	111.0(5)	N6	-C12	-C13	108.9(6)
N2	-N1	-H1N	125.00	C12	-C13	-C14	104.1(5)
C1	-N1	-H1N	125.00	N7	-C14	-C13	111.2(5)
N4	-N5	-H5N	125.00	N7	-C14	-C15	116.1(5)
C11	-N5	-H5N	125.00	C13	-C14	-C15	132.7(6)
N7	-N6	-H6N	125.00	N8	-C15	-C14	114.5(5)
C12	-N6	-H6N	125.00	N8	-C15	-C16	120.3(5)
N9	-N10	-H10N	125.00	C14	-C15	-C16	125.2(6)
C22	-N10	-H10N	124.00	C15	-C16	-C17	118.7(6)
N1	-C1	-C2	108.7(5)	C16	-C17	-C18	120.4(6)
C1	-C2	-C3	104.8(5)	C17	-C18	-C19	118.7(6)
N2	-C3	-C2	111.0(5)	N8	-C19	-C20	113.6(5)
N2	-C3	-C4	116.2(5)	C18	-C19	-C20	125.3(5)
C2	-C3	-C4	132.8(5)	N8	-C19	-C18	121.1(5)
N3	-C4	-C3	113.9(5)	N9	-C20	-C19	116.5(5)
N3	-C4	-C5	122.0(5)	N9	-C20	-C21	110.2(5)
C3	-C4	-C5	124.1(5)	C19	-C20	-C21	133.2(6)
C4	-C5	-C6	118.0(5)	C20	-C21	-C22	104.9(6)
C5	-C6	-C7	120.4(6)	N10	-C22	-C21	108.2(6)
C6	-C7	-C8	119.0(5)	N1	-C1	-H1	126.00
C7	-C8	-C9	125.7(5)	C2	-C1	-H1	126.00

Table S6 - Bond Angles (Degrees) (continued)  
for: bpp in P -1

C1	-C2	-H2	128.00	C12	-C13	-H13	128.00
C3	-C2	-H2	128.00	C14	-C13	-H13	128.00
C4	-C5	-H5	121.00	C15	-C16	-H16	121.00
C6	-C5	-H5	121.00	C17	-C16	-H16	121.00
C5	-C6	-H6	120.00	C16	-C17	-H17	120.00
C7	-C6	-H6	120.00	C18	-C17	-H17	120.00
C6	-C7	-H7	120.00	C17	-C18	-H18	121.00
C8	-C7	-H7	121.00	C19	-C18	-H18	121.00
C9	-C10	-H10	128.00	C20	-C21	-H21	128.00
C11	-C10	-H10	128.00	C22	-C21	-H21	128.00
N5	-C11	-H11	126.00	N10	-C22	-H22	126.00
C10	-C11	-H11	126.00	C21	-C22	-H22	126.00
N6	-C12	-H12	126.00	Se1	-C23	-N11	177.4(6)
C13	-C12	-H12	126.00	Se2	-C24	-N12	178.1(6)

Table S7 - Torsion Angles (Degrees)  
for: bpp in P -1

N3	-Fe1	-N2	-N1	-178.4(5)
N3	-Fe1	-N2	-C3	1.9(3)
N4	-Fe1	-N2	-N1	-175.1(4)
N4	-Fe1	-N2	-C3	5.2(5)
N7	-Fe1	-N2	-N1	77.4(5)
N7	-Fe1	-N2	-C3	-102.3(4)
N8	-Fe1	-N2	-N1	2.2(5)
N8	-Fe1	-N2	-C3	-177.5(3)
N9	-Fe1	-N2	-N1	-72.2(5)
N9	-Fe1	-N2	-C3	108.1(4)
N2	-Fe1	-N3	-C4	-2.8(4)
N2	-Fe1	-N3	-C8	179.7(4)
N4	-Fe1	-N3	-C4	179.0(4)
N4	-Fe1	-N3	-C8	1.5(4)
N7	-Fe1	-N3	-C4	88.6(4)
N7	-Fe1	-N3	-C8	-88.8(4)
N9	-Fe1	-N3	-C4	-92.2(4)
N9	-Fe1	-N3	-C8	90.3(4)
N2	-Fe1	-N4	-N5	172.7(5)
N2	-Fe1	-N4	-C9	-2.5(5)
N3	-Fe1	-N4	-N5	176.0(6)
N3	-Fe1	-N4	-C9	0.9(3)
N7	-Fe1	-N4	-N5	-79.5(5)
N7	-Fe1	-N4	-C9	105.4(4)
N8	-Fe1	-N4	-N5	-4.4(6)
N8	-Fe1	-N4	-C9	-179.6(3)
N9	-Fe1	-N4	-N5	69.7(5)
N9	-Fe1	-N4	-C9	-105.5(4)

Table S7 - Torsion Angles (Degrees) (continued)  
for: bpp in P -1

N2	-Fe1	-N7	-N6	81.9(5)
N2	-Fe1	-N7	-C14	-103.9(4)
N3	-Fe1	-N7	-N6	7.0(5)
N3	-Fe1	-N7	-C14	-178.8(4)
N4	-Fe1	-N7	-N6	-67.8(5)
N4	-Fe1	-N7	-C14	106.4(4)
N8	-Fe1	-N7	-N6	-175.6(5)
N8	-Fe1	-N7	-C14	-1.4(4)
N9	-Fe1	-N7	-N6	-171.5(4)
N9	-Fe1	-N7	-C14	2.7(6)
N2	-Fe1	-N8	-C15	90.3(4)
N2	-Fe1	-N8	-C19	-87.4(4)
N4	-Fe1	-N8	-C15	-91.2(4)
N4	-Fe1	-N8	-C19	91.1(4)
N7	-Fe1	-N8	-C15	-1.7(4)
N7	-Fe1	-N8	-C19	-179.4(4)
N9	-Fe1	-N8	-C15	-179.4(4)
N9	-Fe1	-N8	-C19	2.9(4)
N2	-Fe1	-N9	-N10	-79.7(5)
N2	-Fe1	-N9	-C20	100.4(4)
N3	-Fe1	-N9	-N10	-5.1(5)
N3	-Fe1	-N9	-C20	175.0(4)
N4	-Fe1	-N9	-N10	69.4(5)
N4	-Fe1	-N9	-C20	-110.6(4)
N7	-Fe1	-N9	-N10	173.3(4)
N7	-Fe1	-N9	-C20	-6.6(5)
N8	-Fe1	-N9	-N10	177.4(5)
N8	-Fe1	-N9	-C20	-2.5(4)

Table S7 - Torsion Angles (Degrees) (continued)  
for: bpp in P -1

C1	-N1	-N2	-Fe1	-179.8(4)
C1	-N1	-N2	-C3	0.0(6)
N2	-N1	-C1	-C2	0.1(6)
Fe1	-N2	-C3	-C2	179.8(4)
Fe1	-N2	-C3	-C4	-1.0(6)
N1	-N2	-C3	-C2	0.0(6)
N1	-N2	-C3	-C4	179.2(4)
Fe1	-N3	-C4	-C3	3.2(6)
Fe1	-N3	-C4	-C5	-176.9(4)
C8	-N3	-C4	-C3	-179.3(4)
C8	-N3	-C4	-C5	0.6(8)
Fe1	-N3	-C8	-C7	176.2(4)
Fe1	-N3	-C8	-C9	-3.5(6)
C4	-N3	-C8	-C7	-1.2(8)
C4	-N3	-C8	-C9	179.1(4)
Fe1	-N4	-N5	-C11	-176.4(4)
C9	-N4	-N5	-C11	-1.0(6)
Fe1	-N4	-C9	-C8	-3.0(6)
Fe1	-N4	-C9	-C10	176.9(4)
N5	-N4	-C9	-C8	-179.7(4)
N5	-N4	-C9	-C10	0.2(6)
N4	-N5	-C11	-C10	1.4(7)
C12	-N6	-N7	-Fe1	175.0(4)
C12	-N6	-N7	-C14	0.4(6)
N7	-N6	-C12	-C13	0.1(7)
Fe1	-N7	-C14	-C13	-176.8(4)
Fe1	-N7	-C14	-C15	4.0(6)
N6	-N7	-C14	-C13	-0.7(6)



Table S7 - Torsion Angles (Degrees) (continued)  
for: bpp in P -1

N6	-N7	-C14	-C15	-180.0(5)
Fe1	-N8	-C15	-C14	4.2(6)
Fe1	-N8	-C15	-C16	-177.9(4)
C19	-N8	-C15	-C14	-178.1(5)
C19	-N8	-C15	-C16	-0.2(8)
Fe1	-N8	-C19	-C18	177.8(4)
Fe1	-N8	-C19	-C20	-2.7(6)
C15	-N8	-C19	-C18	0.2(8)
C15	-N8	-C19	-C20	179.6(5)
Fe1	-N9	-N10	-C22	179.9(4)
C20	-N9	-N10	-C22	-0.2(6)
Fe1	-N9	-C20	-C19	2.0(6)
Fe1	-N9	-C20	-C21	179.6(4)
N10	-N9	-C20	-C19	-177.9(4)
N10	-N9	-C20	-C21	-0.4(6)
N9	-N10	-C22	-C21	0.7(6)
N1	-C1	-C2	-C3	-0.1(6)
C1	-C2	-C3	-N2	0.1(6)
C1	-C2	-C3	-C4	-179.0(6)
N2	-C3	-C4	-N3	-1.3(7)
N2	-C3	-C4	-C5	178.8(5)
C2	-C3	-C4	-N3	177.7(6)
C2	-C3	-C4	-C5	-2.2(9)
N3	-C4	-C5	-C6	0.6(8)
C3	-C4	-C5	-C6	-179.5(5)
C4	-C5	-C6	-C7	-1.2(9)
C5	-C6	-C7	-C8	0.6(9)
C6	-C7	-C8	-N3	0.7(8)

Table S7 - Torsion Angles (Degrees) (continued)  
for: bpp in P -1

C6	-C7	-C8	-C9	-179.7(6)
N3	-C8	-C9	-N4	4.2(7)
N3	-C8	-C9	-C10	-175.6(6)
C7	-C8	-C9	-N4	-175.5(5)
C7	-C8	-C9	-C10	4.7(10)
N4	-C9	-C10	-C11	0.7(7)
C8	-C9	-C10	-C11	-179.5(6)
C9	-C10	-C11	-N5	-1.2(7)
N6	-C12	-C13	-C14	-0.5(7)
C12	-C13	-C14	-N7	0.8(7)
C12	-C13	-C14	-C15	179.9(6)
N7	-C14	-C15	-N8	-5.3(7)
N7	-C14	-C15	-C16	176.9(6)
C13	-C14	-C15	-N8	175.6(6)
C13	-C14	-C15	-C16	-2.2(10)
N8	-C15	-C16	-C17	1.2(9)
C14	-C15	-C16	-C17	178.8(6)
C15	-C16	-C17	-C18	-2.1(10)
C16	-C17	-C18	-C19	2.0(10)
C17	-C18	-C19	-N8	-1.1(9)
C17	-C18	-C19	-C20	179.6(6)
N8	-C19	-C20	-N9	0.3(7)
N8	-C19	-C20	-C21	-176.5(6)
C18	-C19	-C20	-N9	179.8(5)
C18	-C19	-C20	-C21	3.0(10)
N9	-C20	-C21	-C22	0.8(6)
C19	-C20	-C21	-C22	177.8(6)
C20	-C21	-C22	-N10	-0.9(7)

Table S8 - Contact Distances(Angstrom)  
for: bpp in P -1

Se1	.N5_a	3.394(6)	N6	.N12	2.816(7)
Se1	.C18_n	3.785(7)	N6	.C22_b	3.358(7)
Se2	.N10_b	3.359(6)	N7	.N2	3.246(6)
Se2	.C5_p	3.700(6)	N7	.N8	2.600(6)
Se1	.H16_o	3.2500	N7	.N4	3.212(6)
Se1	.H18_n	3.2100	N7	.C15	2.367(7)
Se1	.H5N_a	2.5500	N8	.C20	2.329(7)
Se1	.H13_o	3.2400	N8	.N9	2.582(6)
Se1	.H12_m	3.3000	N8	.C14	2.353(7)
Se2	.H7_q	3.0100	N8	.N7	2.600(6)
Se2	.H10N_b	2.5000	N9	.N8	2.582(6)
Se2	.H5_p	3.0600	N9	.N4	3.183(6)
N1	.C11_a	3.424(8)	N9	.C19	2.372(7)
N1	.N11	2.792(7)	N9	.N2	3.206(6)
N2	.N9	3.206(6)	N10	.Se2_f	3.359(6)
N2	.C4	2.385(7)	N10	.C24_f	3.318(8)
N2	.N7	3.246(6)	N11	.N1	2.792(7)
N2	.N3	2.597(6)	N12	.N6	2.816(7)
N3	.N2	2.597(6)	N1	.H22_b	2.5500
N3	.C9	2.336(7)	N2	.H22_b	2.7600
N3	.N4	2.594(6)	N5	.H12_d	2.9100
N3	.C3	2.345(7)	N6	.H1_e	2.9200
N4	.N3	2.594(6)	N9	.H11_a	2.9300
N4	.N9	3.183(6)	N10	.H11_a	2.5900
N4	.N7	3.212(6)	N11	.H1N	1.9400
N4	.C8	2.381(7)	N12	.H6_q	2.8700
N5	.Se1_c	3.394(6)	N12	.H6N	1.9700
N5	.C23_c	3.250(9)	N12	.H1_e	2.7500

Table S8 - Contact Distances(Angstrom) (continued)  
for: bpp in P -1

C1	.C10_a	3.440(8)	C23	.H1N	2.8400
C1	.C9_a	3.489(8)	C24	.H10N_b	2.6600
C5	.Se2_g	3.700(6)	C24	.H7_q	3.0500
C9	.C1_e	3.489(8)	C24	.H6N	2.8000
C10	.C1_e	3.440(8)	H1	.H6N_a	2.4700
C11	.N1_e	3.424(8)	H1	.N12_j	2.7500
C12	.C21_b	3.539(8)	H1	.N6_a	2.9200
C13	.C21_b	3.534(9)	H1N	.C23	2.8400
C16	.C23_h	3.528(9)	H1N	.N11	1.9400
C18	.Se1_i	3.785(7)	H5	.C2	2.9600
C18	.C23	3.554(10)	H5	.Se2_g	3.0600
C19	.C23	3.598(9)	H5N	.C23_c	2.6600
C21	.C13_d	3.534(9)	H5N	.H12_d	2.4800
C21	.C12_d	3.539(8)	H5N	.Se1_c	2.5500
C22	.N6_d	3.358(7)	H6	.N12_k	2.8700
C23	.C16_o	3.528(9)	H6N	.N12	1.9700
C23	.N5_a	3.250(9)	H6N	.C24	2.8000
C23	.C18	3.554(10)	H6N	.H1_e	2.4700
C23	.C19	3.598(9)	H7	.C24_k	3.0500
C24	.N10_b	3.318(8)	H7	.Se2_k	3.0100
C1	.H22_b	2.9000	H7	.C10	2.9800
C2	.H5	2.9600	H10N	.Se2_f	2.5000
C10	.H7	2.9800	H10N	.C24_f	2.6600
C13	.H16	2.9800	H11	.N9_e	2.9300
C21	.H18	2.9900	H11	.N10_e	2.5900
C22	.H11_a	2.7700	H11	.C22_e	2.7700
C23	.H16_o	2.7500	H12	.N5_b	2.9100
C23	.H5N_a	2.6600	H12	.H5N_b	2.4800

Table S8 - Contact Distances(Angstrom) (continued)  
for: bpp in P -1

H12	.Se1_l	3.3000	H18	.Se1_i	3.2100
H13	.Se1_h	3.2400	H18	.C21	2.9900
H16	.C13	2.9800	H22	.C1_d	2.9000
H16	.Se1_h	3.2500	H22	.N2_d	2.7600
H16	.C23_h	2.7500	H22	.N1_d	2.5500

Table S9 - Hydrogen Bonds (Angstrom, Deg)  
for: bpp in P -1

N1	--	H1N	..	N11	0.8600	1.9400	2.792(7)	171.00	.
N5	--	H5N	..	Se1	0.8600	2.5500	3.394(6)	167.00	1_545
N6	--	H6N	..	N12	0.8600	1.9700	2.816(7)	168.00	.
N10	--	H10N	..	Se2	0.8600	2.5000	3.359(6)	175.00	1_655
C11	--	H11	..	N10	0.9300	2.5900	3.503(8)	166.00	1_545
C22	--	H22	..	N1	0.9300	2.5500	3.458(7)	167.00	1_655

Translation of Symmetry Code to Equiv.Pos

a =[ 1565.00 ] = x,1+y,z  
b =[ 1455.00 ] = -1+x,y,z  
c =[ 1545.00 ] = x,-1+y,z  
d =[ 1655.00 ] = 1+x,y,z  
g =[ 2665.00 ] = 1-x,1-y,-z  
h =[ 2666.00 ] = 1-x,1-y,1-z  
i =[ 2766.00 ] = 2-x,1-y,1-z  
j =[ 1565.00 ] = x,1+y,z  
k =[ 2655.00 ] = 1-x,-y,-z  
l =[ 1445.00 ] = -1+x,-1+y,z  
m =[ 1665.00 ] = 1+x,1+y,z  
n =[ 2766.00 ] = 2-x,1-y,1-z  
o =[ 2666.00 ] = 1-x,1-y,1-z  
p =[ 2665.00 ] = 1-x,1-y,-z  
q =[ 2655.00 ] = 1-x,-y,-z