

Supporting Information

Title: Molecularly Non-stoichiometric Crystals in Phosphorus Compounds

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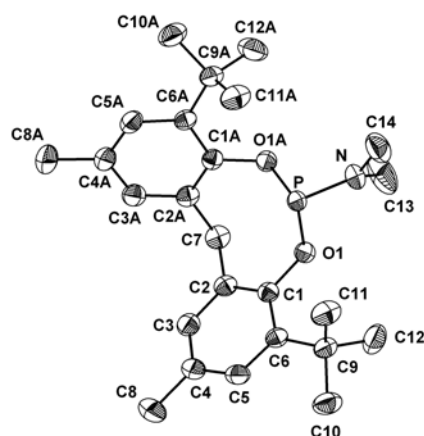


Figure S1. An ORTEP drawing of **11** (Hydrogen atoms are omitted for clarity).

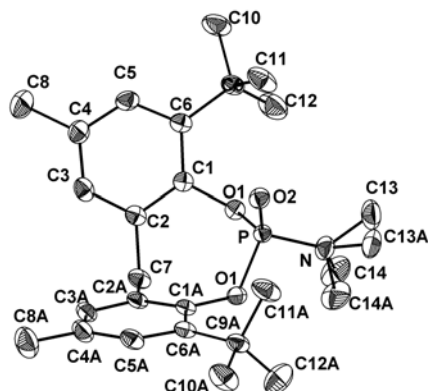


Figure S2. An ORTEP drawing of **[11+13]**. The methyl groups of $N(CH_3)_2$ are disordered. (Hydrogen atoms are omitted for clarity).

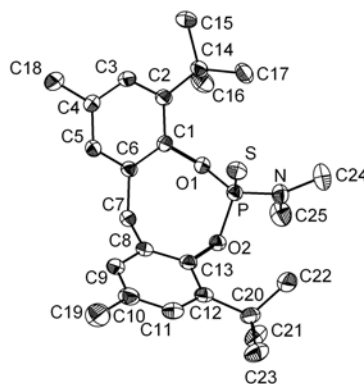


Figure S3. An ORTEP drawing of **14** (Hydrogen atoms are omitted for clarity).

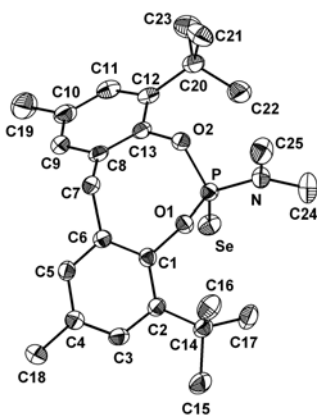


Figure S4. An ORTEP drawing of **15** (Hydrogen atoms are omitted for clarity).

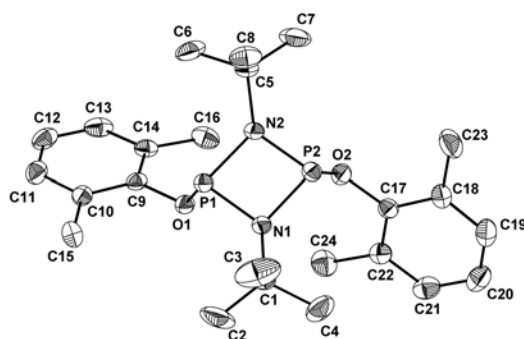


Figure S5. An ORTEP drawing of **12** (Hydrogen atoms are omitted for clarity)

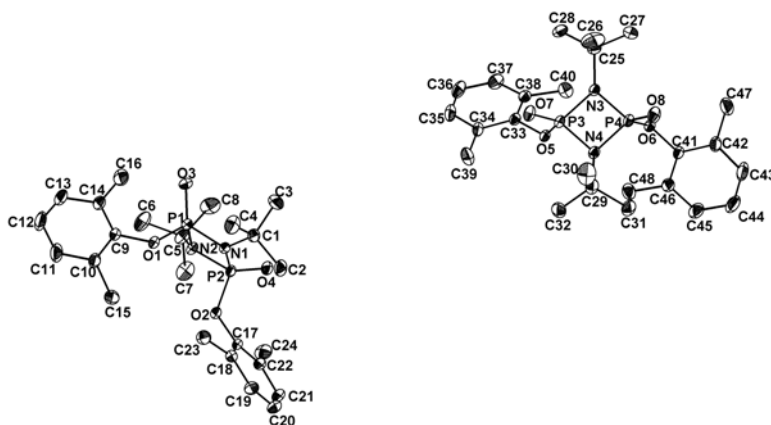


Figure S6. An ORTEP drawing of **16** (Hydrogen atoms are omitted for clarity) in the asymmetric unit.

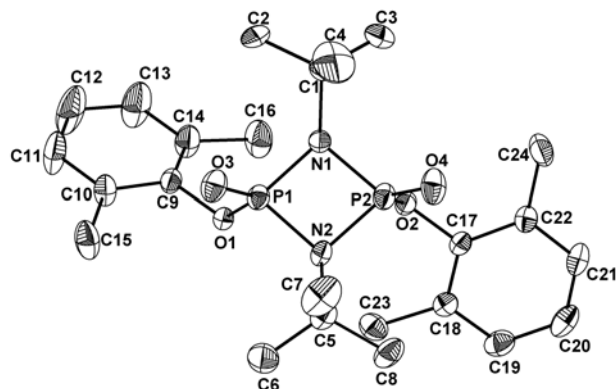


Figure S7. An ORTEP drawing of [16+17]**a** (Hydrogen atoms are omitted for clarity)

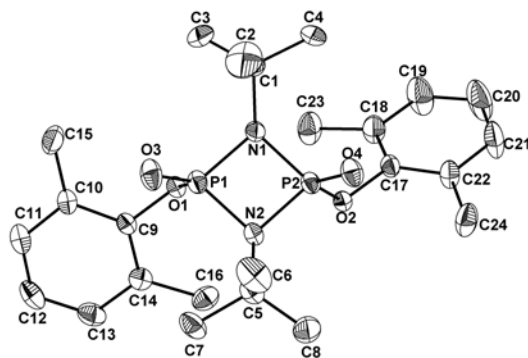


Figure S8. An ORTEP drawing of [16+17]**b** (Hydrogen atoms are omitted for clarity).

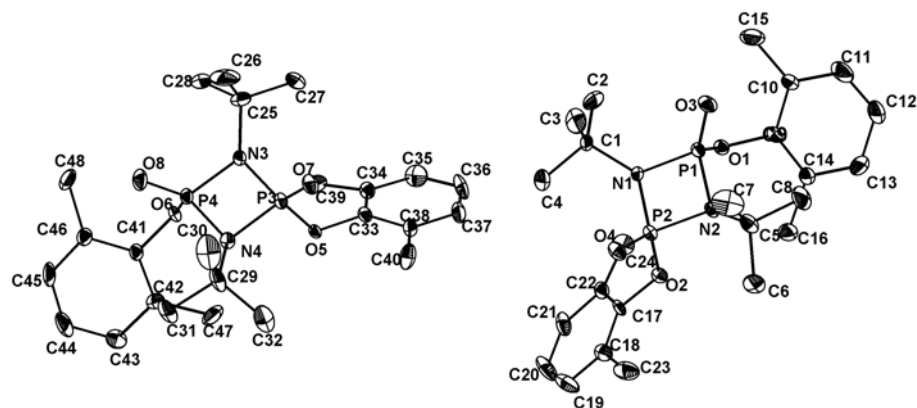


Figure S9. An ORTEP drawing of [16+17]**c** (Hydrogen atoms are omitted for clarity)

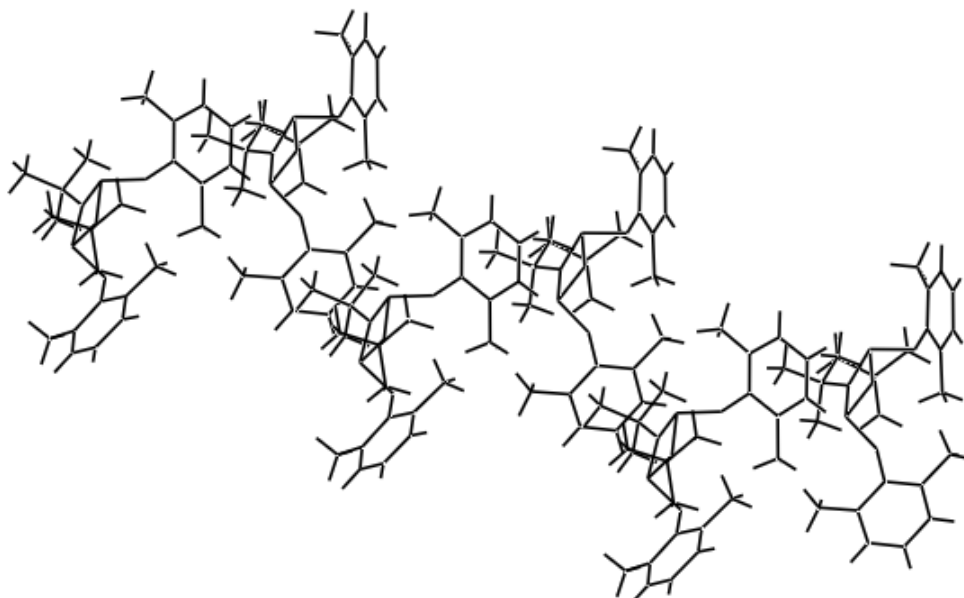


Fig.S10. Packing in **12**. No short contacts.

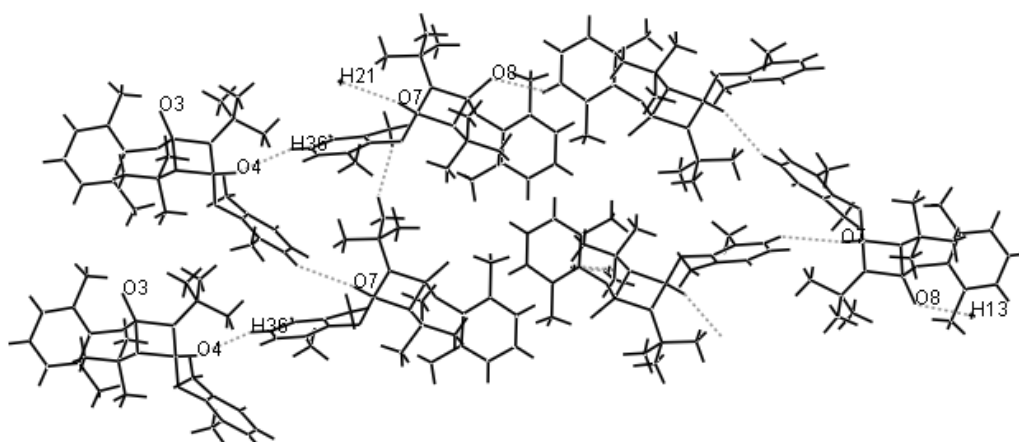


Fig. S11. Packing in **16**. Short contacts: C(21)-H(21) \cdots O(7)' [0.93, 2.68, 3.338(4)Å, 128.0° symmetry code: -1+x, y, z]; C(13)-H(13) \cdots O(8)' [0.93, 2.69, 3.452(4)Å, 139.6° symmetry code: 1-x, 2-y, -1/2+z]; C(36)-H(36) \cdots O(4)' [0.93, 2.62, 3.511(4)Å, 159.5° symmetry code: 1/2+x, 1-y, z]

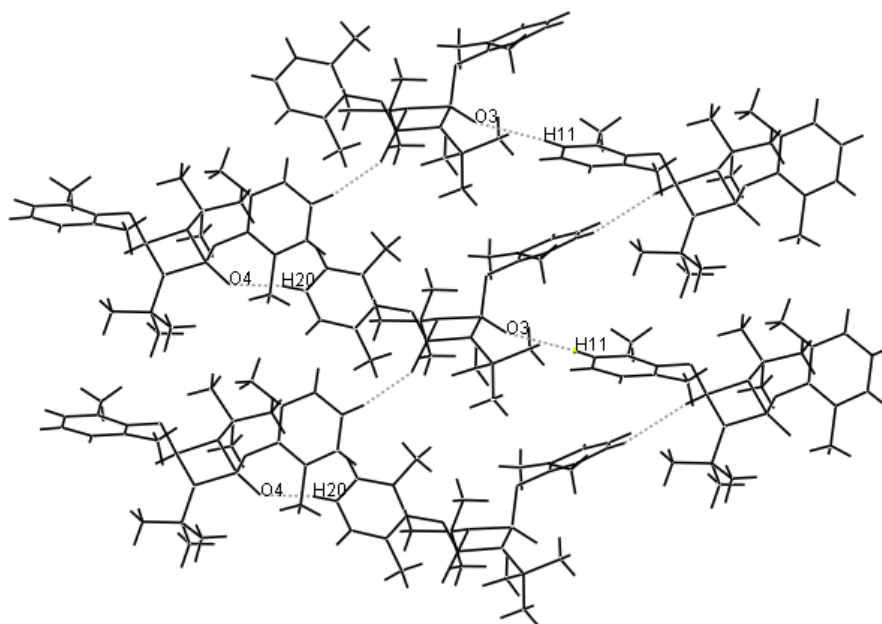


Fig. S12. Packing in **[16+17]a**. Short contacts. C(4)-H(4A)...O(1)' [0.96 2.68 3.487(5)Å 141.7° symmetry code: x, 1+y, z]; C(11)-H(11)...O(3)' [0.93 2.70 3.479(5)Å 141.9° symmetry code: -x, -1/2+y, 1/2-z]; C(20)-H20...O(4)' [0.93 2.46 3.199(8)Å 136.8° symmetry code: 1-x, -1/2+y, 1/2-z]

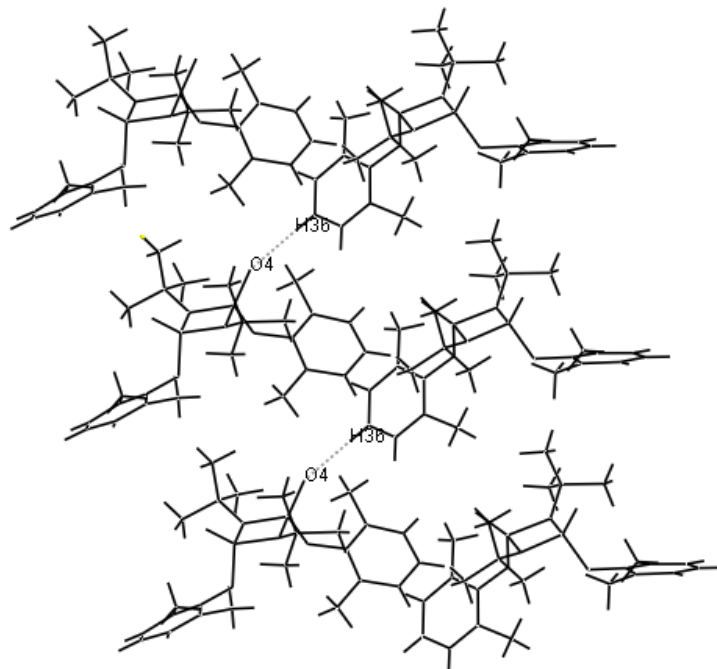


Fig. S13. Packing in **[16+17]b**. Short contacts: C(7)-H(7A)...O(1)' [0.96 2.69 3.447(11)Å 135.7° symmetry code: x, 1+y, z]; C(36)-H(36)...O(4)' [0.93 2.62 3.515(10)Å 160.7° symmetry code: x, -1+y, z]

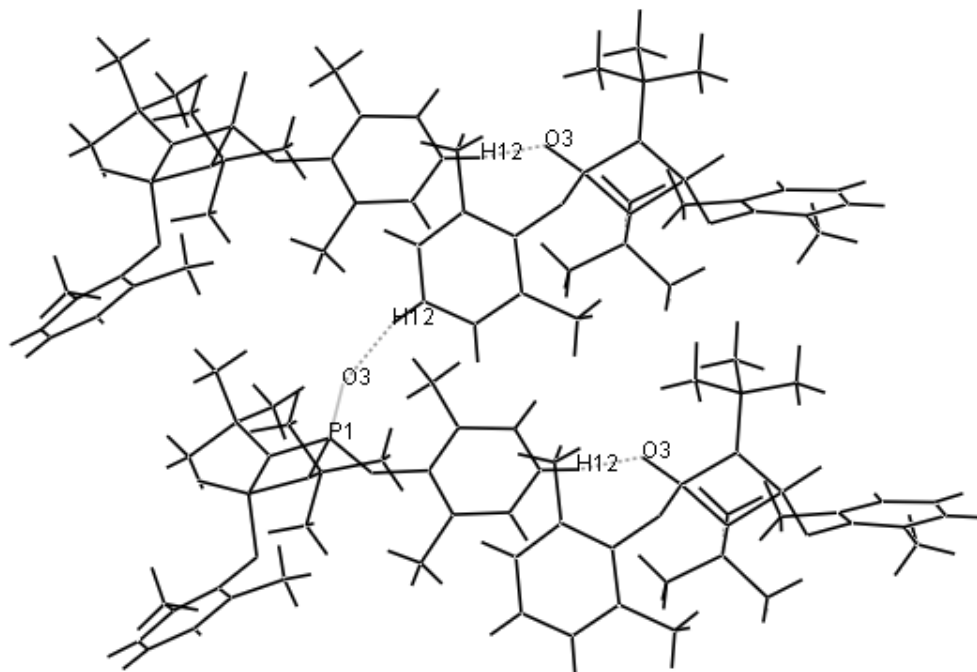


Fig. S14. Packing in **[16+17]c**. Short contact: C(12)-H(12)...O(3)' [0.93 2.47 3.217(5) Å, 137.6° symmetry code: -x, 0.5+y, 0.5-z].

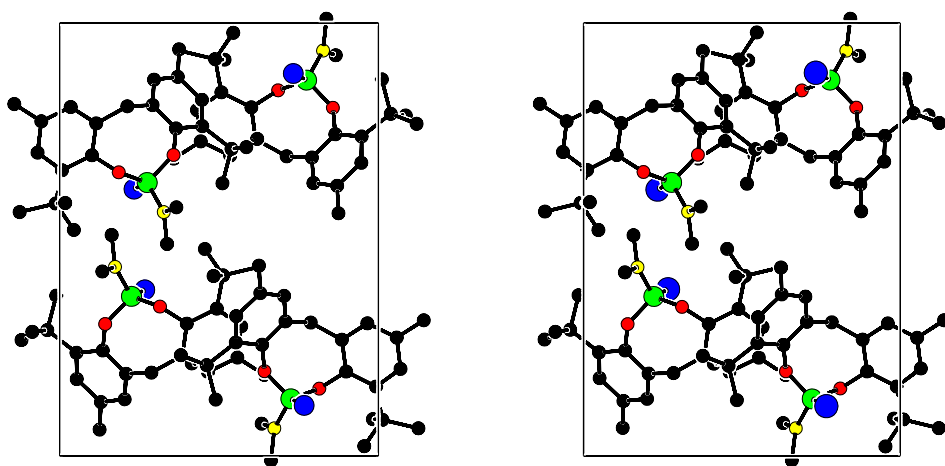


Fig. S15. PLATON drawing of packing in **13** (left) and **14** (right). Short contact in **14**: [C(24)-H(24C)...Se' [0.96, 2.93, 3.783(3)Å, 148.3°; symmetry code: -0.5+x, 1.5-y, 2-z].