

A new hybrid organic-inorganic chain: [(Phen)Cu-?--(?2

O:O?-VP2O10H3)2-Cu(phen)] n

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The structure of the title compound, poly[(dihydrogen-phosphato-?O)

(?3-hydrogenphosphato)di-?-xido-(1,10-phenanthroline)copper(II) vanadium(V)],

[CuV(HPO4)(H2PO4)O 2(C12H8N2)]n , is defined by [(phen)Cu-?--(?2 O:O?-VP2O

10H3)2-Cu(phen)] units (phen is 1,10-phenanthroline), which are connected to neighbouring units

through vanadyl bridges. Neighbouring chains have no covalent bonds between them, although they

inter-digitate through the phen groups via ?-? inter-actions. © 2012 International Union of

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