

Electronic Supplementary Information

Phase-transfer hydroxylation of benzene with H₂O₂ catalyzed by a nitrile-functionalized pyridinium phosphovanadomolybdate

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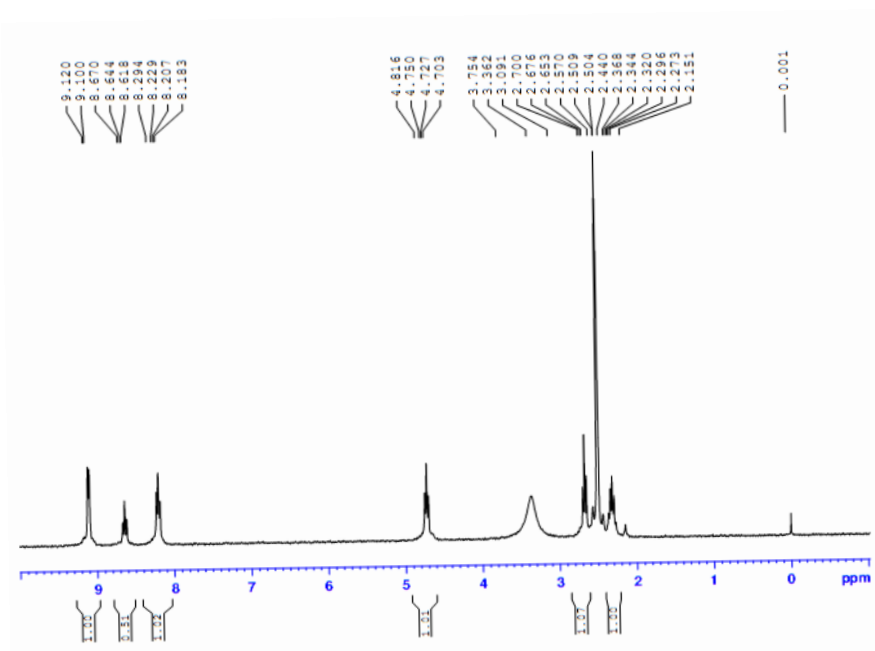


Fig. S1. ¹H NMR spectrum of [C₃CNpy]₄HPMoV₂

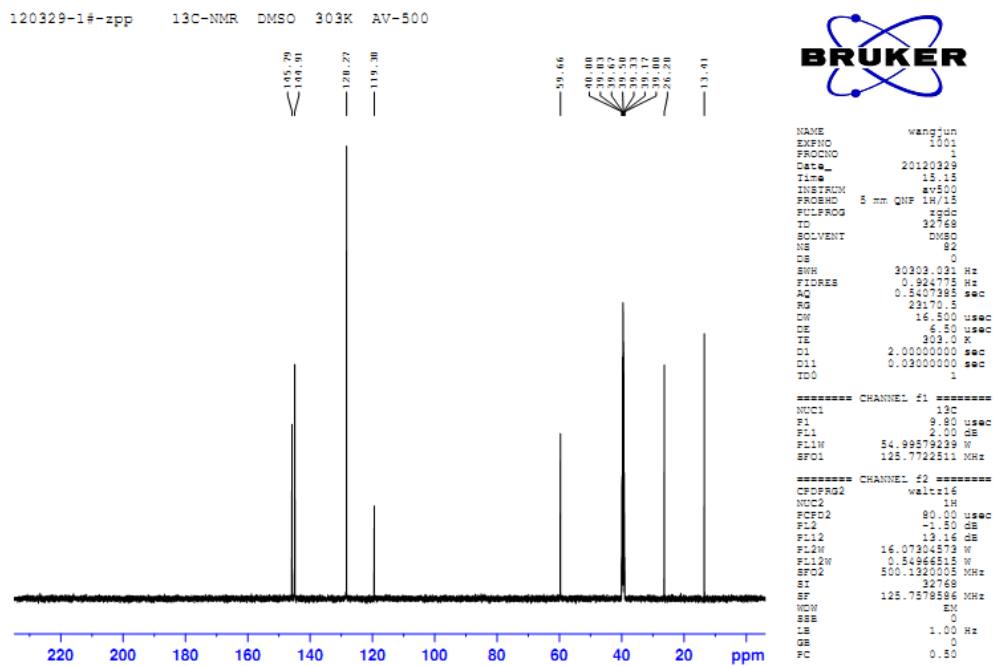


Fig. S2. ^{13}C NMR spectrum of $[\text{C}_3\text{CNpy}]_4\text{HPMoV}_2$

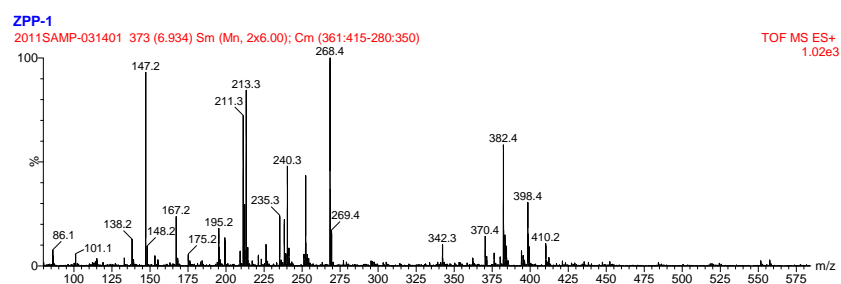


Fig. S3A. Positive-ion ESI-MS of $[\text{C}_3\text{CNpy}]_4\text{HPMoV}_2$

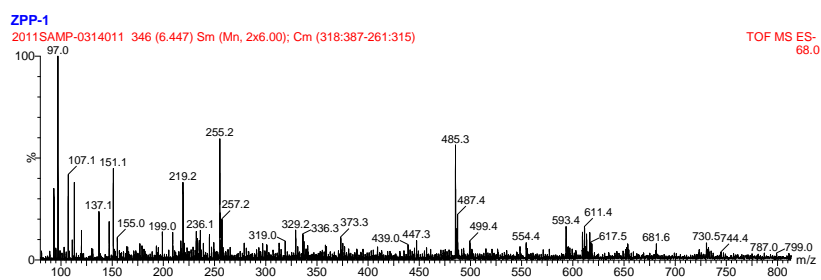


Fig. S3B. Negative-ion ESI-MS of $[\text{C}_3\text{CNpy}]_4\text{HPMoV}_2$

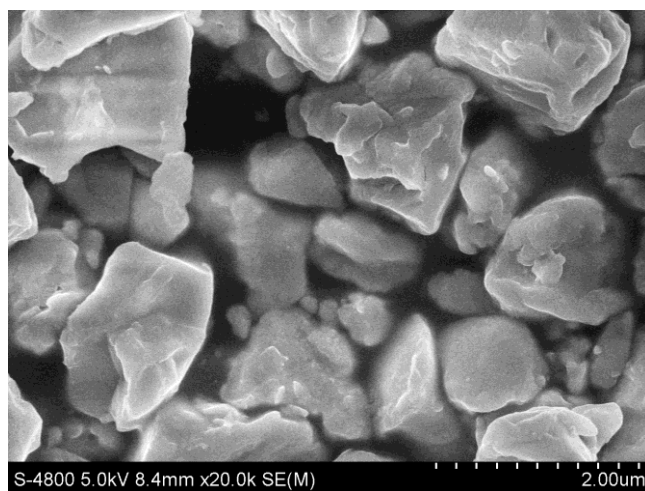


Fig. S4. SEM image of [C₃CNpy]₄HPMoV₂