Supplementary Materials

Kinetics and Mechanism of the Pyridinolysis of Ethylene Phosphorochloridate in Acetonitrile

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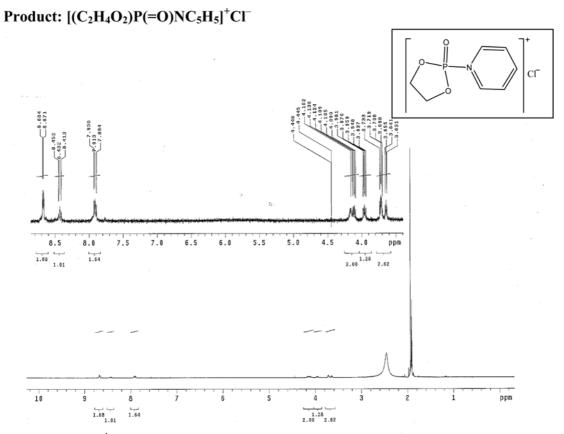
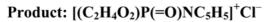


Figure S1. The ${}^{1}\text{H-NMR}$ spectrum of $[(C_{2}\text{H}_{4}\text{O}_{2})P(=O)\text{NC}_{5}\text{H}_{5}]^{+}\text{Cl}^{-}$.



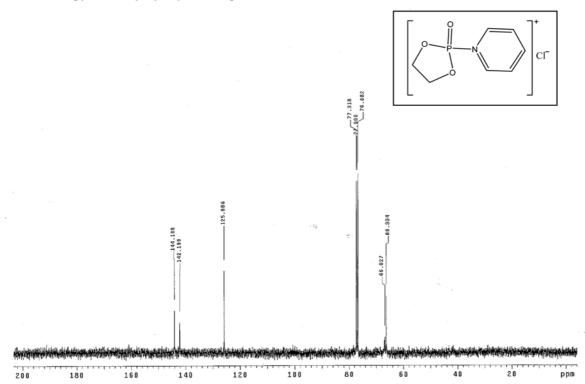
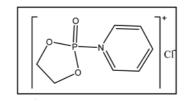


Figure S2. The $^{13}\text{C-}$ NMR spectrum of $[(C_2H_4O_2)P(=O)NC_5H_5]^+C\Gamma$.

Product: $[(C_2H_4O_2)P(=O)NC_5H_5]^{+}CI^{-}$



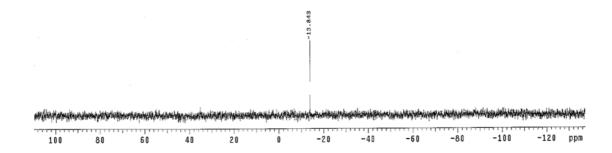


Figure S3. The 31 P-NMR spectrum of $[(C_2H_4O_2)P(=O)NC_5H_5]^+Cl^-$.

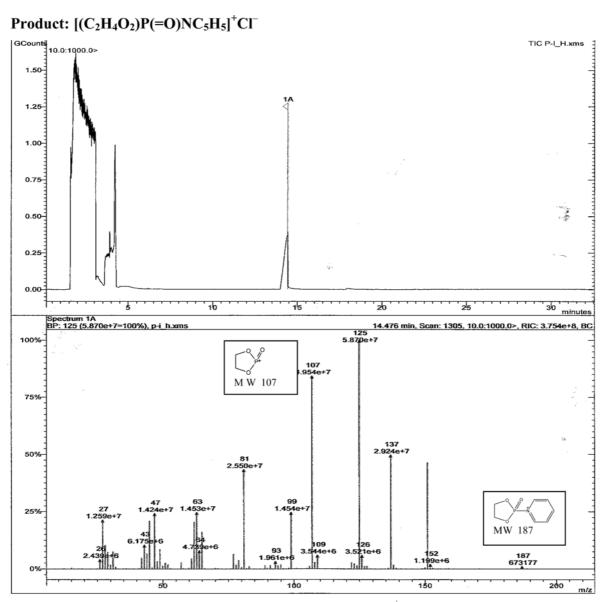


Figure S4. The GC-MS spectrum of $[(C_2H_4O_2)P(=O)NC_5H_5]^+Cl^-$.