Supplementary Materials

**4-(diphenylphosphoryl)-1-phenylbutane-1,3-dione**

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Copies of NMR spectra for compound 4-(diphenylphosphoryl)-1-phenylbutane-1,3-dione

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**Figure S1.** 1H NMR spectra of tautomeric mixture of compound **1** (CDCl3, 400 MHz)

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**Figure S2.** 13C NMR spectra of tautomeric mixture of compound **1** (101 MHz, CDCl3)

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**Figure S3.** 13C NMR (dept) spectra of tautomeric mixture of compound **1** (101 MHz, CDCl3)

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**Figure S3.** 31P {1H} NMR spectra of tautomeric mixture of compound **1** (243 MHz, CDCl3)