Supporting Information for:

An efficient preparation of β -ketophosphine oxides from alkynylphosphine oxides with benzaldehyde oxime as hydroxide source

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1. H/D exchange between the product 2a with D₂O

To confirm the enolate intermediate **B** in the presence of base (NaOH), we conduct the H/D exchange between the product 2a with D₂O, and an obvious H/D exchange was observed at 4.55 ppm. This shown that the enolate intermediate **B** was formed before the neutralized procedure.



2.NMR Spectra of Products 2 and 3





































-26.857











































