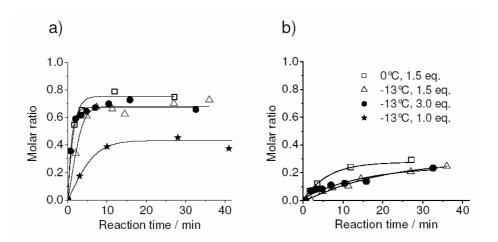
## **Supporting Information**

## Synthesis and enzymatic incorporation of modified deoxyuridine triphosphates

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**Figure 1.** Kinetic plots for the appearance of (a) the 5'-monophosphate and (b) the 5',3'-diphosphate derivative of **1** in dependence of reaction temperature and the molar equivalents of  $POCl_3$  in course of the Yoshikawa procedure. Symbols for (a) are the same as in (b). Data for the graphs were derived from HPLC analysis.