

# Supplementary Information

## Total Synthesis of Fully Lipidated Glycosylphosphatidylinositol Anchors of *Toxoplasma gondii*

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**General Information:**  $^1\text{H}$ ,  $^{13}\text{C}$  and  $^{31}\text{P}$  NMR spectra were recorded on a Varian Mercury 300 (300 MHz) or Varian Gemini 300 (300 MHz) spectrometer in  $\text{CDCl}_3$  with chemical shifts referenced to internal standards  $\text{CDCl}_3$  (7.26 ppm  $^1\text{H}$ , 77.0 ppm  $^{13}\text{C}$ ) unless noted otherwise.  $^{31}\text{P}$  spectra are reported in  $\delta$  value relative to  $\text{H}_3\text{PO}_4$  (0.0 ppm) as an external reference. High-resolution mass spectral analyses (ESI or MALDI) were performed by the MS-service at the Laboratorium für Organische Chemie at ETH Zürich.

































































