Supporting Information

Cyclipostins and Cyclophostin analogs as promising compounds in the fight against tuberculosis

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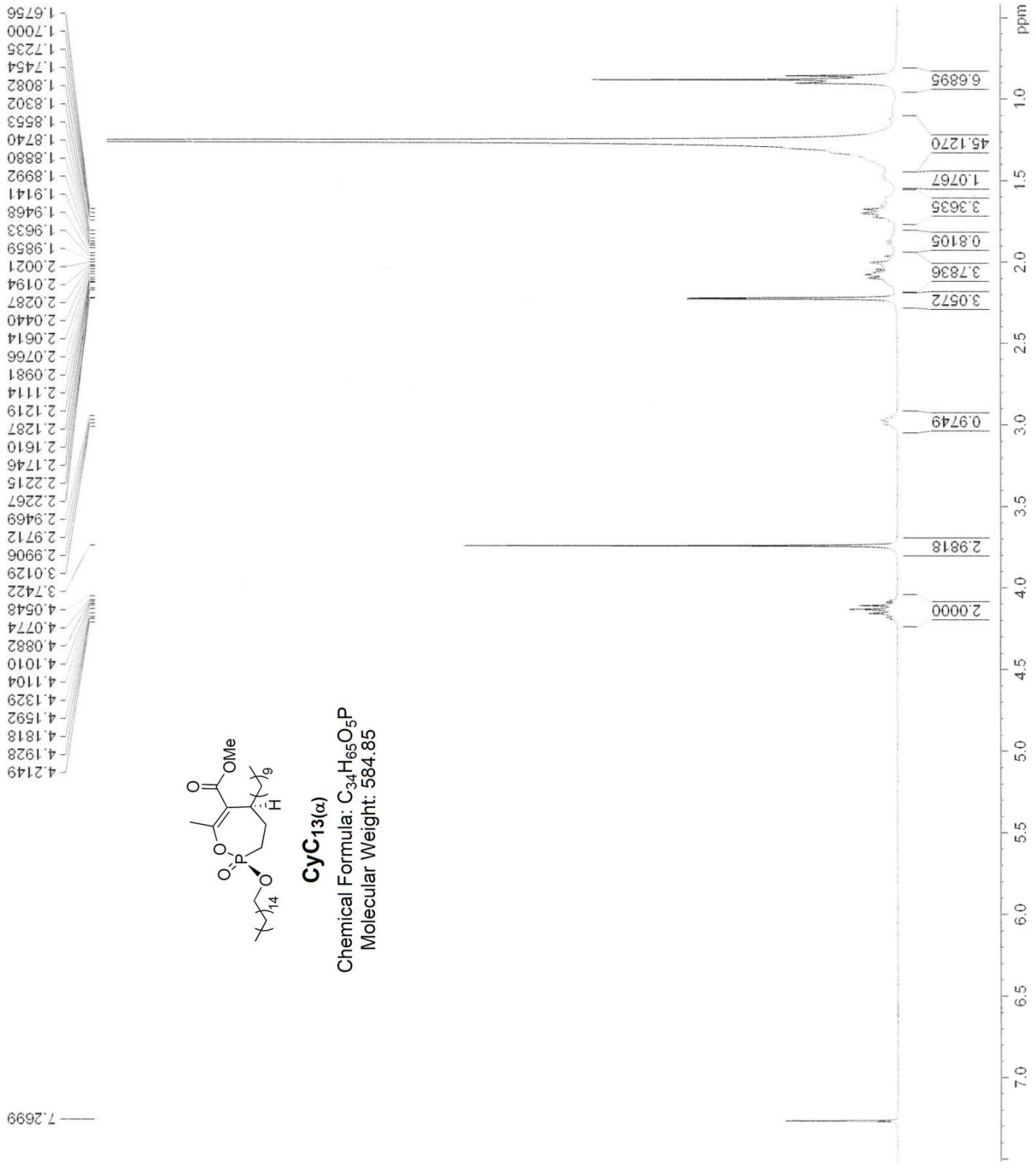

Figure S1A. ^{1}H NMR spectrum of **CyC$_{13(\alpha)}$** recorded at 300 MHz, and using $CDCl_3$ (δ = 7.27 ppm) as an internal standard of solvent.

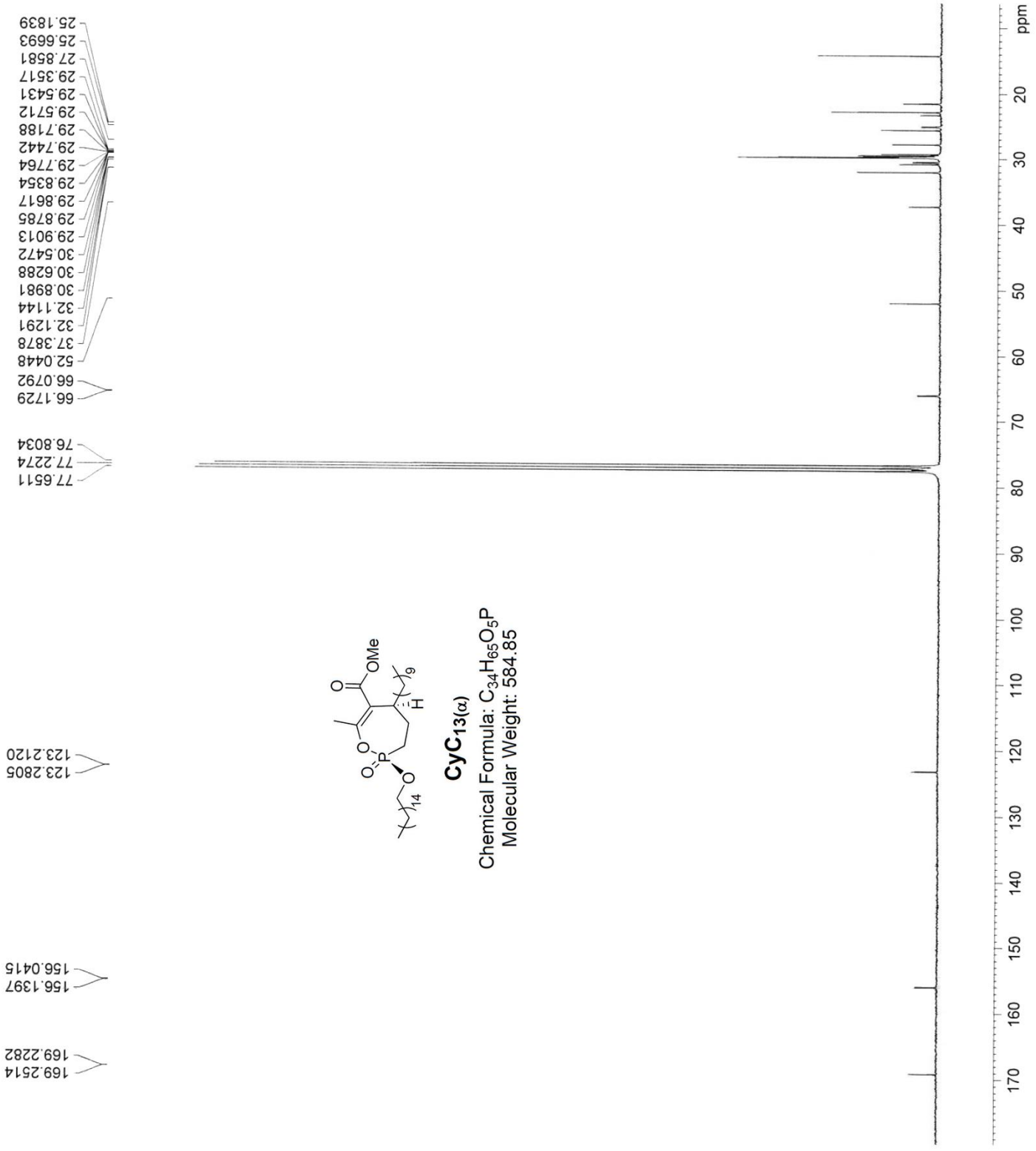

Figure S1B. ^{13}C NMR spectrum of **CyC$_{13(\alpha)}$** recorded at 75 MHz, and using $CDCl_3$ (δ = 77.23 ppm) as an internal standard of solvent.

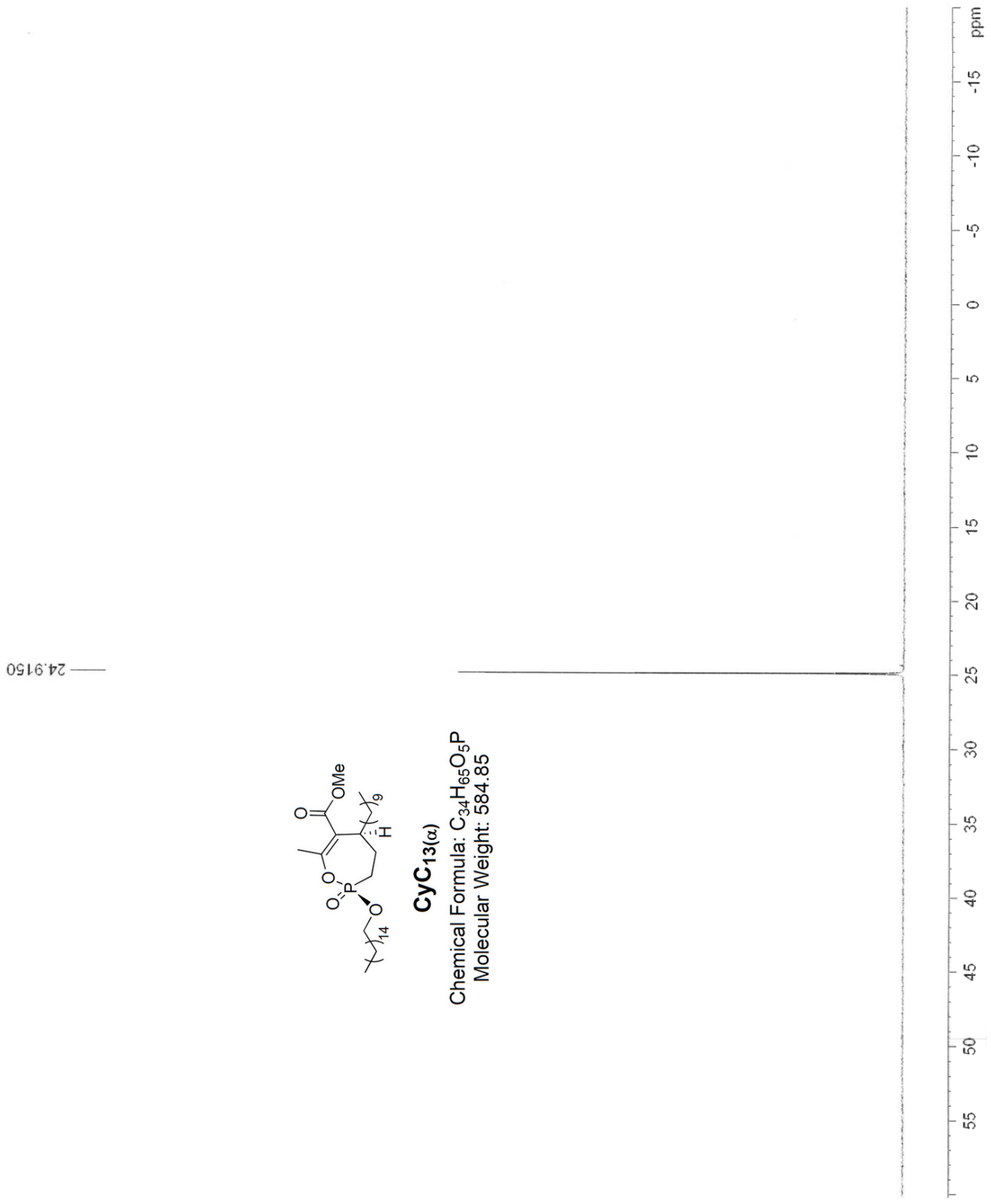

Figure S1C. ^{31}P NMR spectrum of **CyC$_{13(\alpha)}$** recorded at 121 MHz and referenced to external 85% H_3PO_4 (0 ppm).

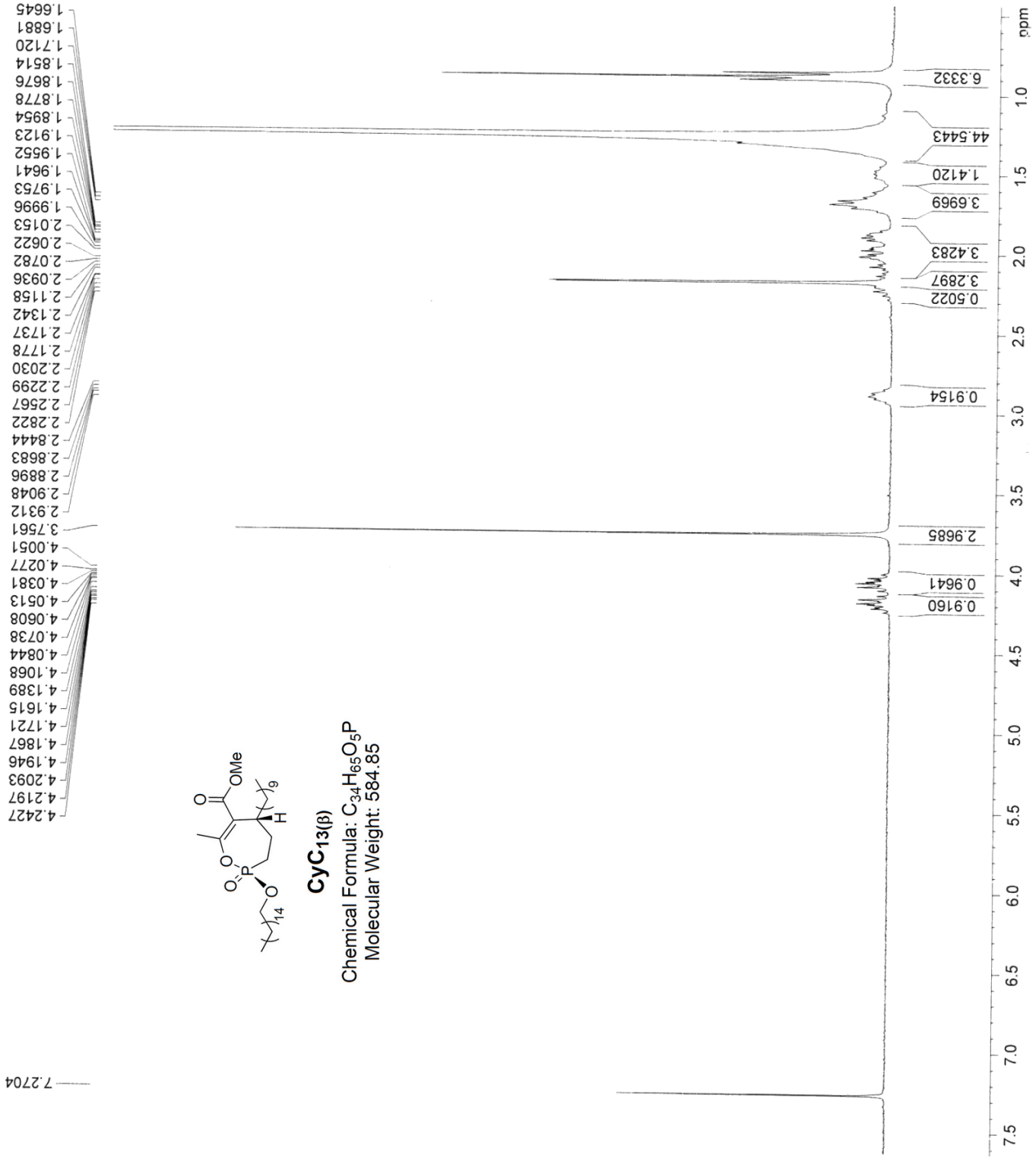

Figure S2A. ^{1}H NMR spectrum of **CyC$_{13(\beta)}$** recorded at 300 MHz, and using $CDCl_3$ (δ = 7.27 ppm) as an internal standard of solvent.

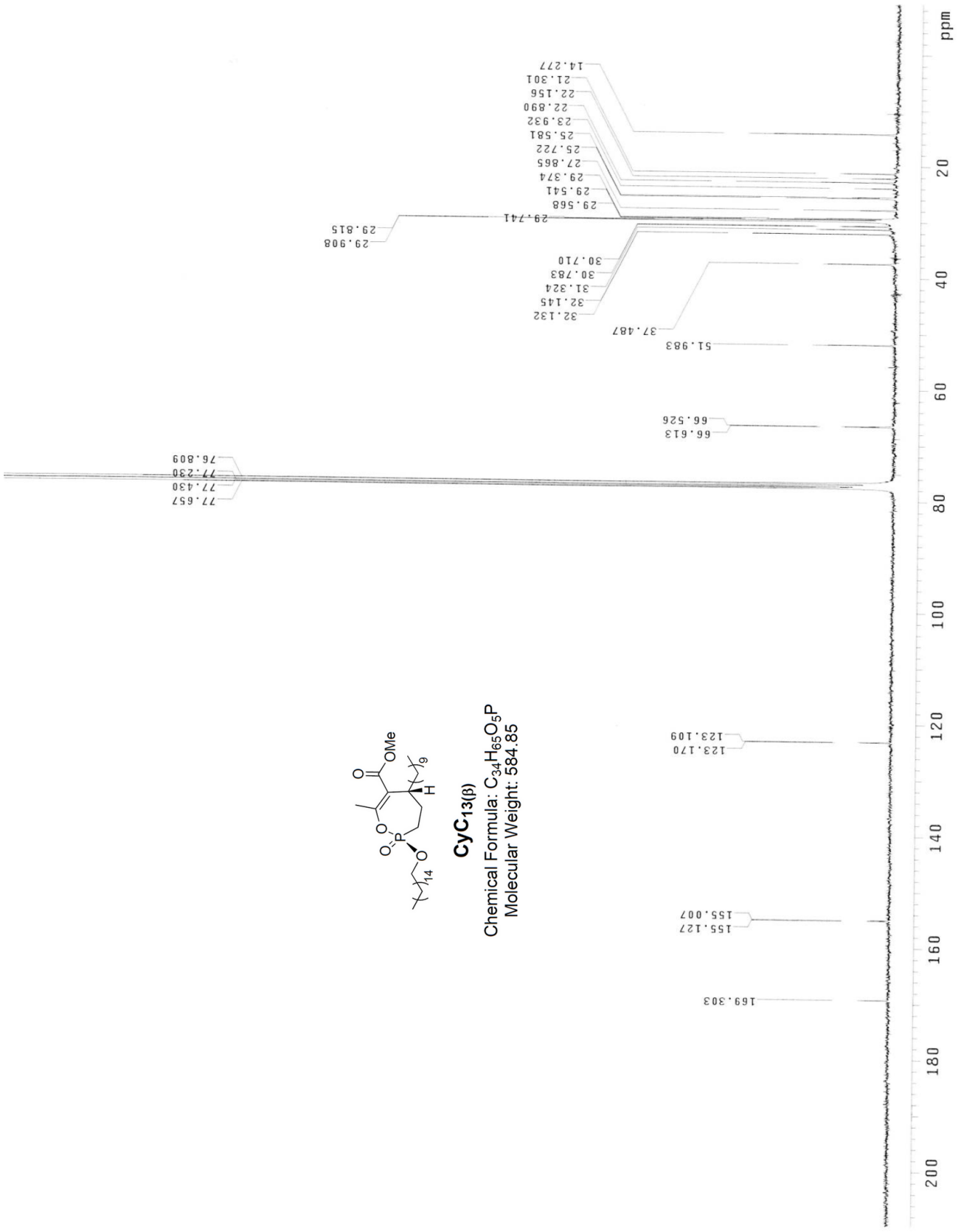

Figure S2B. ^{13}C NMR spectrum of **CyC$_{13(\beta)}$** recorded at 75 MHz, and using $CDCl_3$ (δ = 77.23 ppm) as an internal standard of solvent.

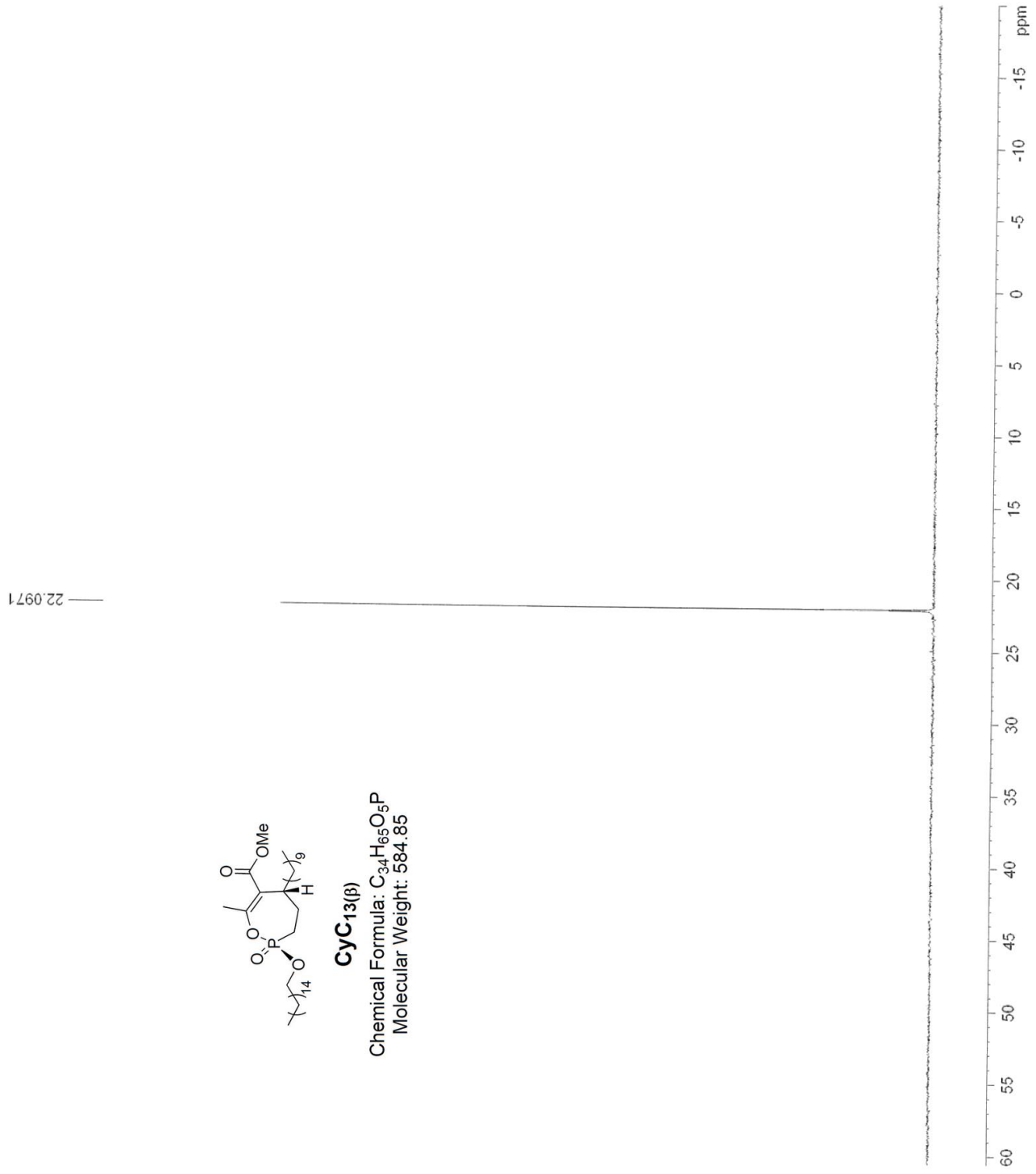

Figure S2C. ^{31}P NMR spectrum of **CyC$_{13(\beta)}$** recorded at 121 MHz and referenced to external 85% H_3PO_4 (0 ppm).

Table S2. Primers used in this study. Restriction sites if present are underlined.

Gene	Primer	Sequence (5′-3′)	Restriction site
Ag85A-F	Forward	5’-CCCAGCTTGTTGACAGGGTTCGTG -3’	
Ag85A-R	Reverse	5’-ACCATGGATCCCTAGGCGCCCTGGGGCGCG-3’	BamHI
Ag85C-F	Forward	5’-CCACGTTCTTCGAACAGGTGCGAAG-3’	
Ag85C-R	Reverse	5’-ACCATGGATCCTCAGGCGGCCGGCGCAGCAG-3’	BamHI
Rv0183-F	Forward	5’-GGAAATCATATGACTACCACCCGGACTG-3’	NdeI
Rv0183-R	Reverse	5’-CGGCGGGATCCCCGACAACCGCTCGGTGAGCC-3’	BamHI
LipH-F	Forward	5’-GGAAATCATATGACAGAGCCGACCGTCG-3’	NdeI
LipH-R	Reverse	5’-CGGCGGGATCCCTGATGCGTGCAACGCCCTCTTC-3’	BamHI
TesA-F	Forward	5'-CCAGCATATGCTGGCCCGTCACGGACCACG-3'	NdeI
TesA-R	Reverse	5'-CCAGAAGCTTAGCTCGATCATGCCATTGGAGTGTT-3'	HindIII
HsaD-F	Forward	5'-CCAGCATATGACAGCTACCGAGGAATTGACGT-3'	NdeI
HsaD-R	Reverse	5'-CCAGAAGCTTTCTGCCACCTCCCAGAAATTCAATC-3'	HindIII

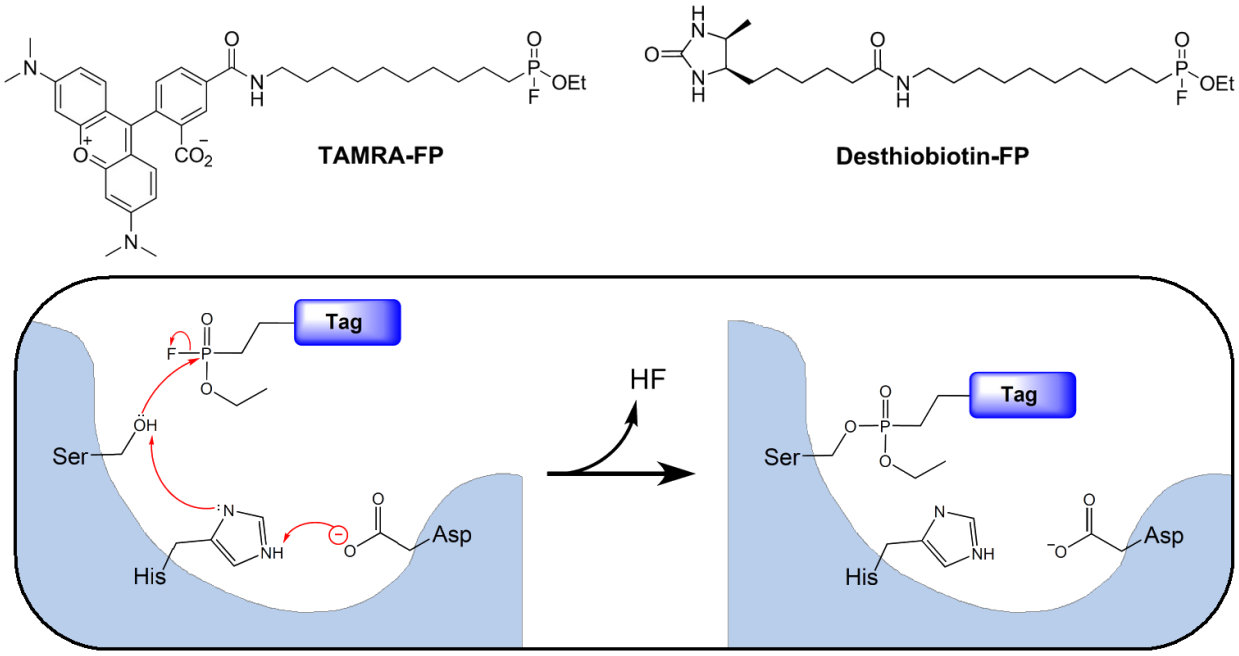

Figure S3. Chemical structures of TAMRA-FP for in-gel fluorescence detection and Desthiobiotin-FP for target enrichment. Each probe forms an irreversible covalent bond with an active site serine (or cysteine) for irreversible enzyme labelling.

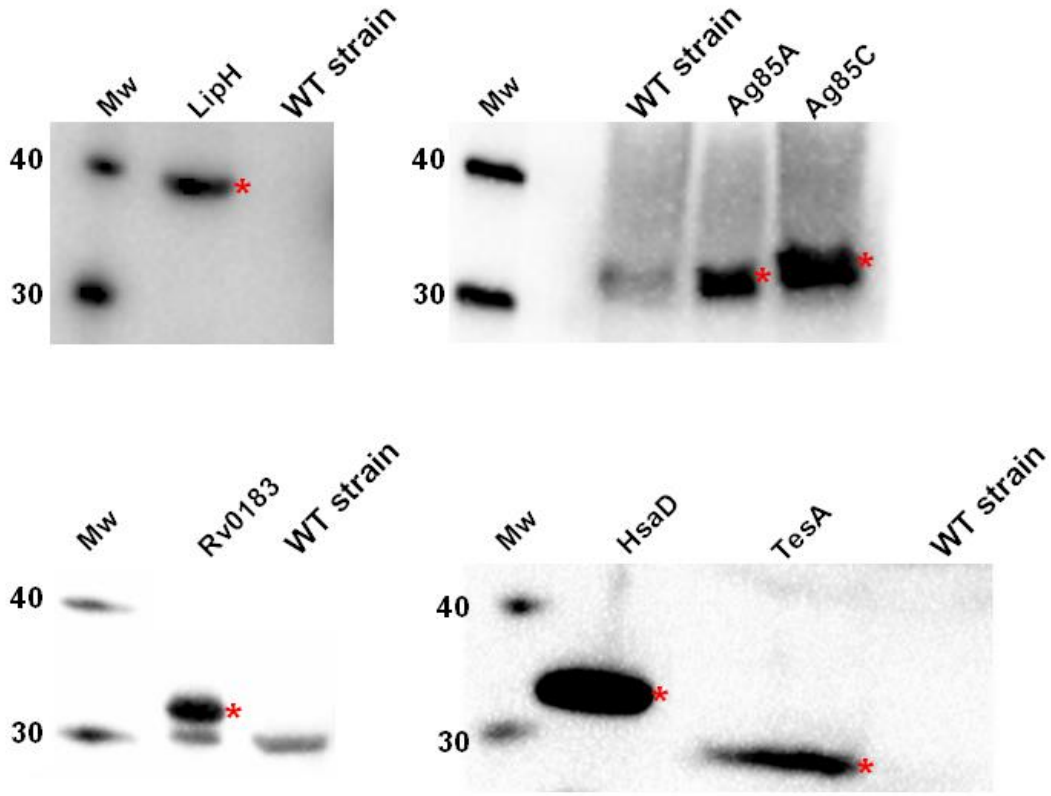

Figure S4. Western blot analysis of *M. tb* mc^{2}6230 overexpression strains as described in **Material and Methods** section. Each overexpressed protein is indicated with a red star and compared to the *M. tb* mc^{2}6230 wild type strain. Ag85A and Ag85C overexpression strains were revealed using specific monoclonal antibody directed against Ag85 complex; specific anti-Rv0183 rabbit polyclonal antibodies were used in the case of Rv0183 overexpression strain; while the other three overexpressed proteins (*i.e.*, LipH, TesA and HsaD) were revealed by HisProbe-HRP conjugated (Thermo-Fisher Scientific).