Synthesis and evaluation of thymol-based synthetic derivatives as dual-action inhibitors against different strains of *H. pylori* and AGS cell line

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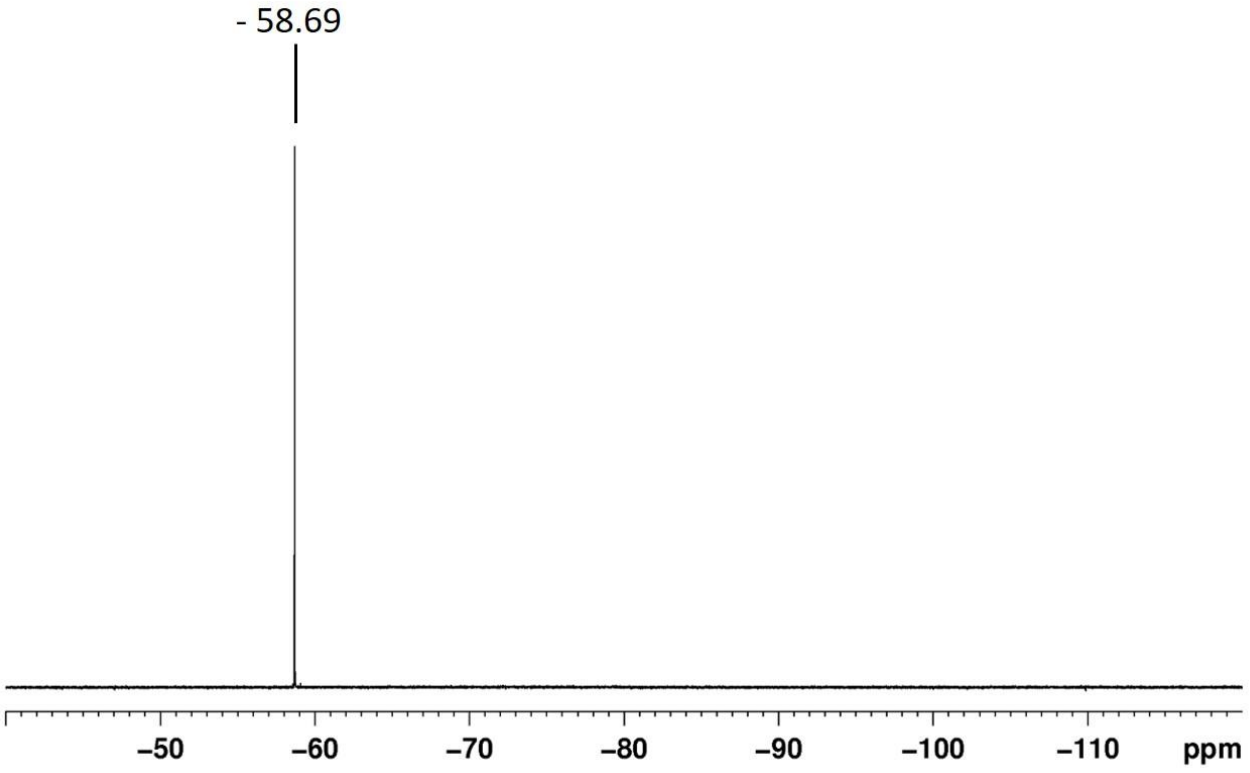

Figure S1. NMR ^{19}F spectrum at 564.7 MHz of **20** in $CDCl_3$.

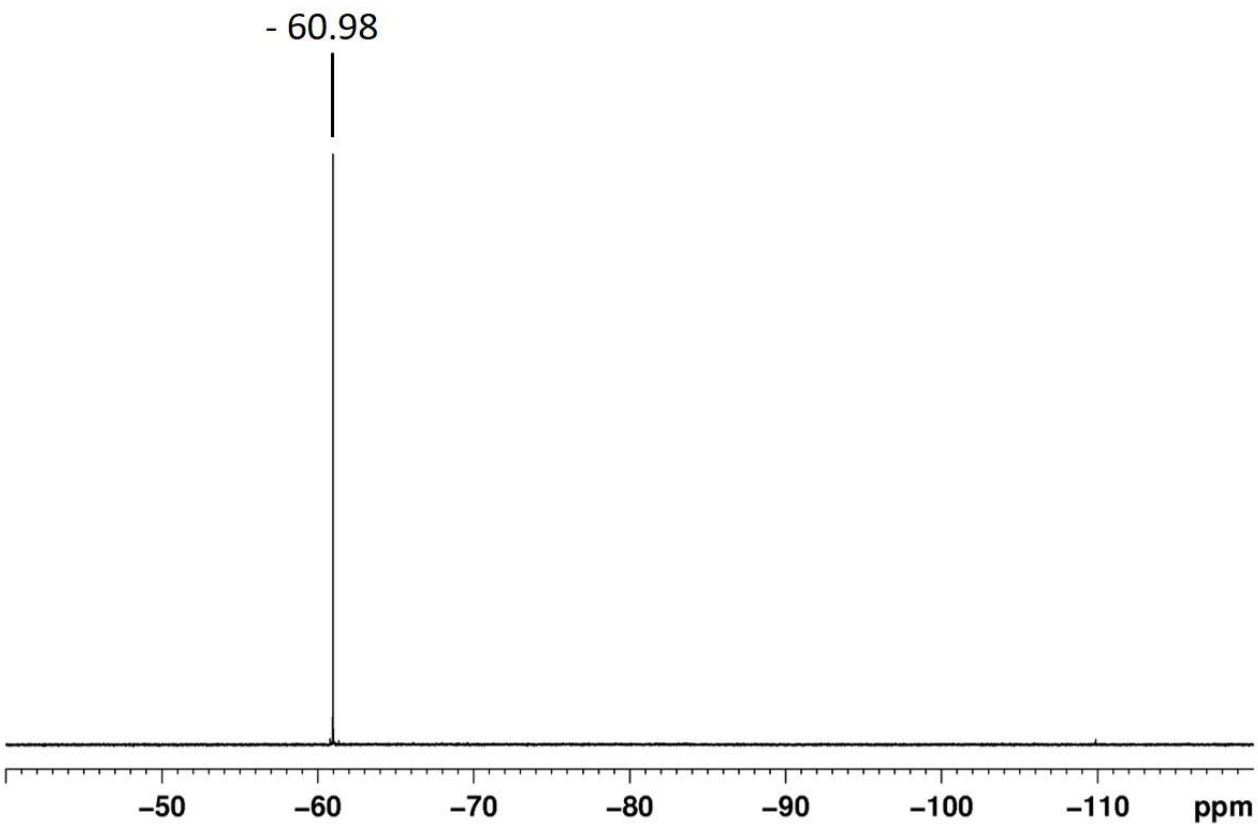

Figure S2. NMR ^{19}F spectrum at 564.7 MHz of **21** in $CDCl_3$.

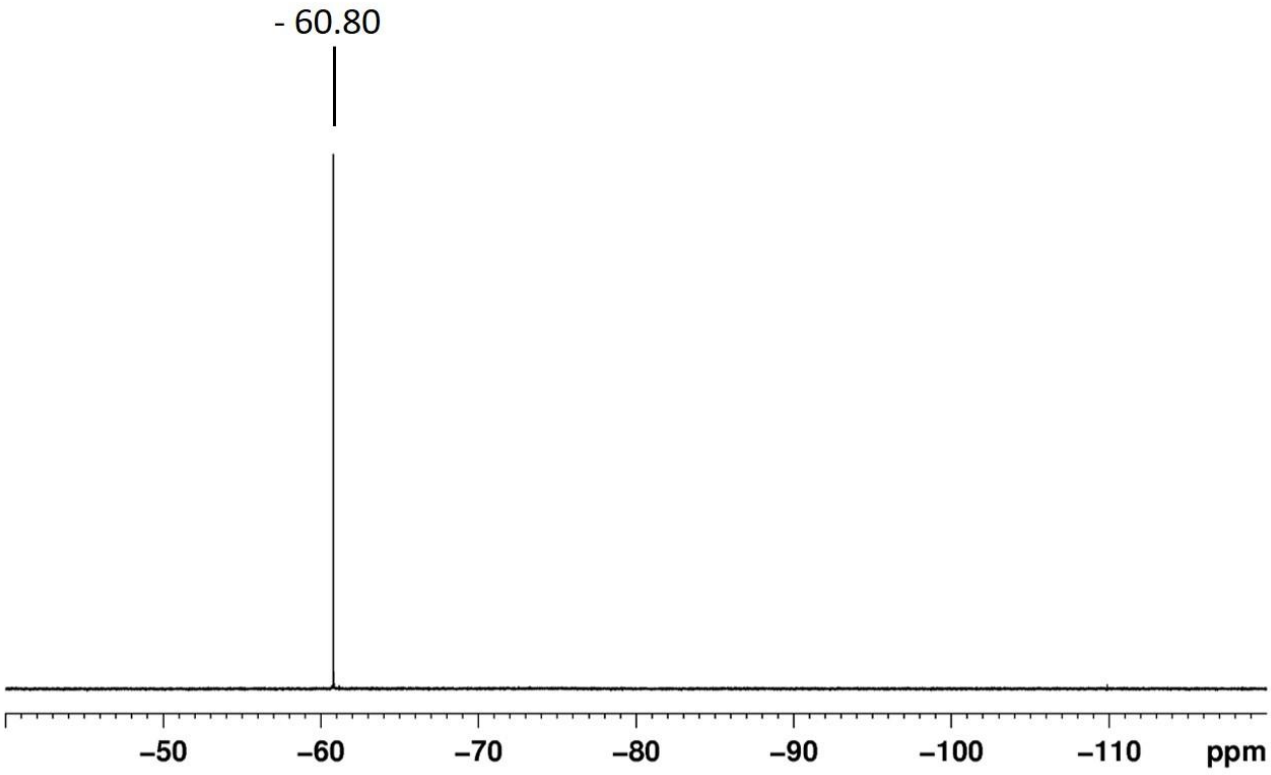

Figure S3. NMR ^{19}F spectrum at 564.7 MHz of **22** in $CDCl_3$.

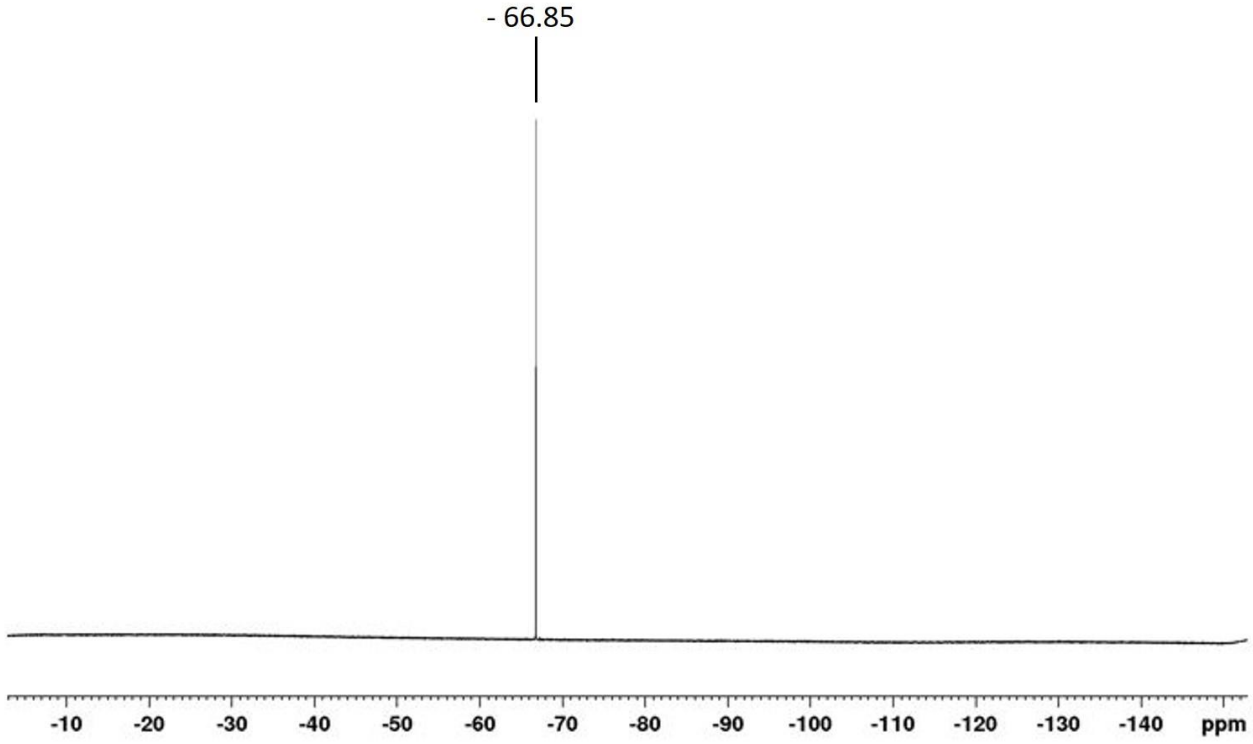

Figure S4. NMR ^{19}F spectrum at 564.7 MHz of **23** in $CDCl_3$.

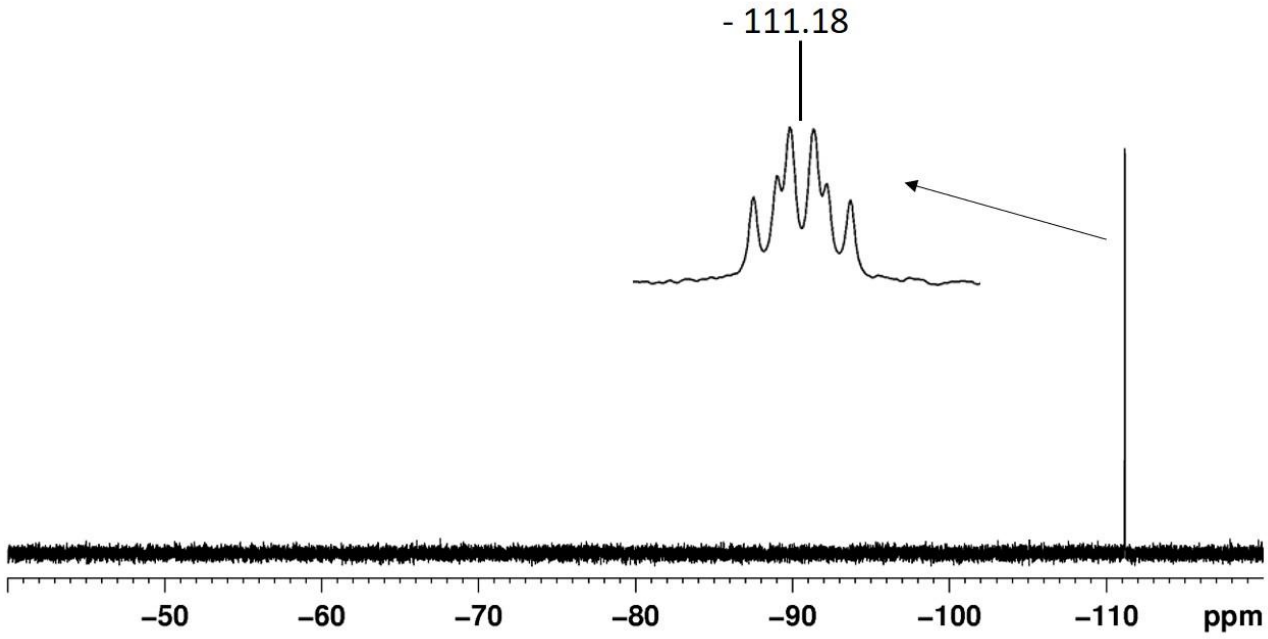

Figure S5. NMR ^{19}F spectrum at 564.7 MHz of **25** in $CDCl_3$.

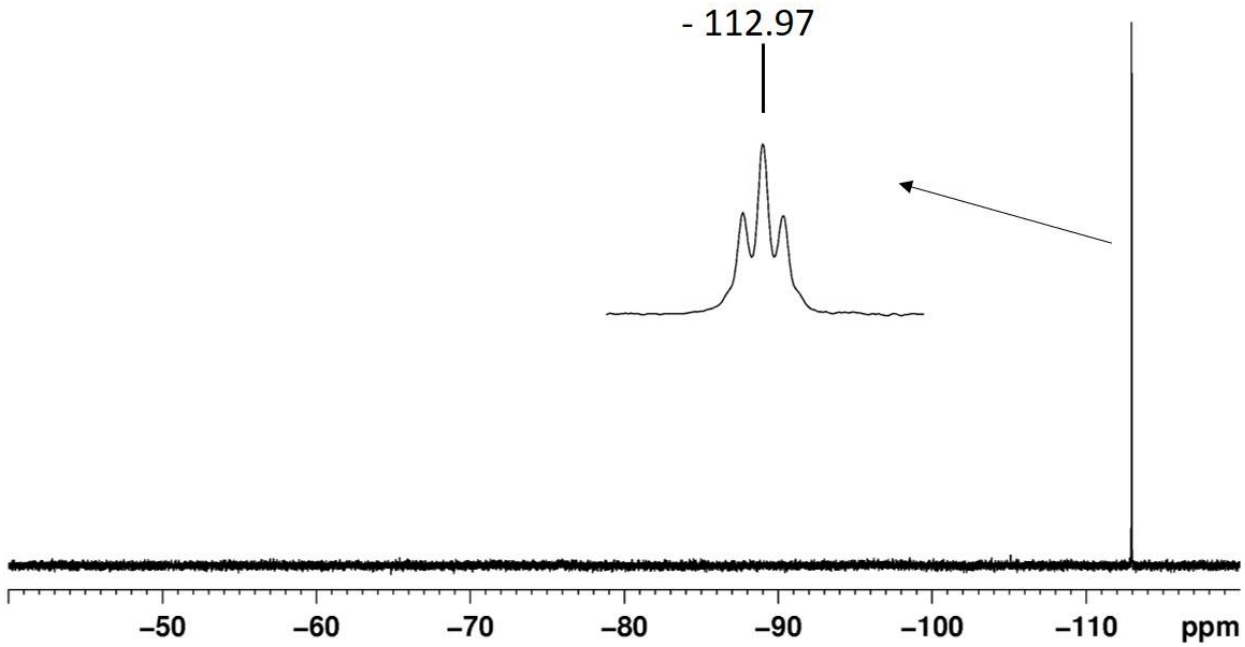

Figure S6. NMR ^{19}F spectrum at 564.7 MHz of **26** in $CDCl_3$.

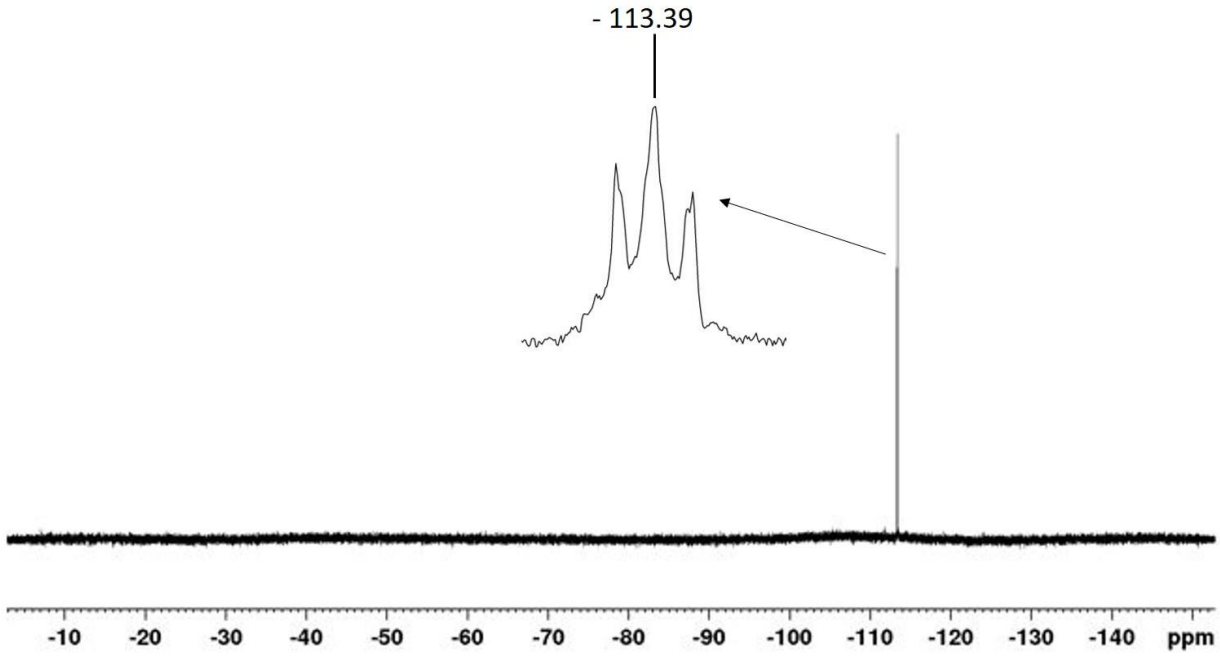

Figure S7. NMR ^{19}F spectrum at 564.7 MHz of **27** in $CDCl_3$.