$^1$H NMR (500 MHz, CDCl$_3$) of compound SI2.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI2.
$^1$H NMR (500 MHz, CDCl$_3$) of compound Ib.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 1b.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI3.
\(^{13}\)C NMR (126 MHz, CDCl\(_3\)) of compound SI3.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI4.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI4.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI5.
$^1$H NMR (126 MHz, CDCl$_3$) of compound 615.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 1a.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 1a.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 1c.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 1c.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 1d.
$^13$C NMR (126 MHz, CDCl$_3$) of compound 1d.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI6.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI6.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI7.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI7.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI8.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound S18.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI9.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI9.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI10.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI10.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI11.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI11.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI12.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI12.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI13.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI13.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI14.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI14.

[Chemical structure diagram]
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI15.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI15.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI16.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI16.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI17.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI17.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI18.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI18.
$^1$H NMR (500 MHz, CDCl$_3$) of compound SI19.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound SI19.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 6.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 6.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 4a.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 4a.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 4b.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 4b.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 4c.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 4c.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 4d.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 4d.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 7.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 7.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 8.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 8.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 9.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 9.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 10.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 10.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 11.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 11.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 12.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 12.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 13.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 13.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 14.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 14.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 15.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 15.
\(^1\)H NMR (500 MHz, CDCl\(_3\)) of compound 16.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 16.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 17.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 17.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 18.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 18.
\(^1\text{H NMR (500 MHz, CDCl}_3\text{)}\) of compound 19.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 19.
$^{1}$H NMR (500 MHz, CDCl$_3$) of compound 20.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 20.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 21.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 21.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 22.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 22.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 23.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 23.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 24.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 24.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 25.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 25.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 26.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 26.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 27.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 27.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 28.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 28.
\textsuperscript{1}H NMR (500 MHz, CDCl\textsubscript{3}) of compound \textit{29}.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 29.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 30.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 30.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 31.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 31.
$^{1}$H NMR (500 MHz, CDCl$_3$) of compound 32.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 32.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 33.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 33.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 34.
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 34.
$^1$H NMR (500 MHz, CDCl$_3$) of compound 36 (major isomer).
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 36 (major isomer)
$^1$H NMR (500 MHz, CDCl$_3$) of compound 36 (minor isomer).
$^{13}$C NMR (126 MHz, CDCl$_3$) of compound 36 (minor isomer).