Supporting Information

A concise approach to the indoles via oxidative C–H amination of 2-alkenylanilines using dioxygen as the sole oxidant

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**$^1$H NMR of compound 2b**

![$^1$H NMR spectrum of compound 2b](image)

**$^{13}$C NMR of compound 2b**

![$^{13}$C NMR spectrum of compound 2b](image)
$^1$H NMR of compound 2c

$^{13}$C NMR of compound 2c
\(^1H\) NMR of compound 2d

\[<\text{Chemical Structure Image}>\]

\[^{13}C\) NMR of compound 2d

\[<\text{Chemical Structure Image}>\]
$^1$H NMR of compound 2f

$^1$C NMR of compound 2f
$^1$H NMR of compound 2j

$^{13}$C NMR of compound 2j
$^1$H NMR of compound 2k

$^{13}$C NMR of compound 2k
$^1$H NMR of compounds 2l

$^{13}$C NMR of compounds 2l
$^1$H NMR of compound 2m

$^{13}$C NMR of compound 2m
$^1$H NMR of compound 2n

$^{13}$C NMR of compound 2n
$^1$H NMR of compound 2o

$^{13}$C NMR of compound 2o
**1H NMR of compound 2p**

![1H NMR spectrum of compound 2p]

**13C NMR of compound 2p**

![13C NMR spectrum of compound 2p]
$^1$H NMR of compound 2q

$^{13}$C NMR of compound 2q
$^1$H NMR of compound 2r

$^{13}$C NMR of compound 2r
$^1$H NMR of compound 2s

![H NMR Spectrum]

$^{13}$C NMR of compound 2s

![C NMR Spectrum]
$^1$H NMR of compound 2t

$^{13}$C NMR of compound 2t
$^1$H NMR of compound 2u

$^{13}$C NMR of compound 2u
$^1$H NMR of compound 2w

$^{13}$C NMR of compound 2w
\textbf{\textsuperscript{1}H NMR of compound 2x}

\textbf{\textsuperscript{13}C NMR of compound 2x}
$^1$H NMR of compound 2y

$^{13}$C NMR of compound 2y
$^1$H NMR of compound 2z

$^1$C NMR of compound 2z
\(^1\)H NMR of compound 2aa

\[^{13}\]C NMR of compound 2aa
$^1$H NMR of compound 2ab

$^{13}$C NMR of compound 2ab
$^1$H NMR of compound 2ac

![1H NMR spectrum of compound 2ac](image)

$^{13}$C NMR of compound 2ac

![13C NMR spectrum of compound 2ac](image)
\begin{figure}[h]
\centering
\includegraphics[width=\textwidth]{s26}
\caption{\textsuperscript{1}H NMR of compound 2ad}
\end{figure}

\begin{figure}[h]
\centering
\includegraphics[width=\textwidth]{s26}
\caption{\textsuperscript{13}C NMR of compound 2ad}
\end{figure}
$^1$H NMR of compounds 2ae

$^{13}$C NMR of compounds 2ae