Palladium-Catalyzed Routes to Geranylated/Farnesylated Phenolic Stilbenes: Synthesis of Pawhuskin C and Schweinfurthin J

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Chloroform-d

1H NMR, 200 MHz, CDCl3
Chloroform-d

$^{1}H$ NMR, 200 MHz, CDCl$_3$

MOMO

11b
\begin{tabular}{cccc}
Chloroform-d & 55.96 & 77.00 & 94.35 \\
94.35 & 112.06 & 116.19 & 127.33 \\
116.19 & 131.54 & 136.12 & \\
131.54 & 156.92 & & \\
136.12 & & & \\
156.92 & & & \\
\end{tabular}
$^{13}$C NMR, 50 MHz, CDCl$_3$

OMOM

OMOM

12a
\textsuperscript{1}H NMR, 200 MHz, CDCl\textsubscript{3}

MOMO

$12b$
$^1$H NMR, 200 MHz, CDCl$_3$

MOMO

14a

Chloroform-d
$^1$H NMR, 200 MHz, CDCl$_3$

MOMO

15a
$^{13}$C NMR, 50 MHz, CDCl$_3$
$^1$H NMR, 200 MHz, CDCl$_3$

MOMO$_2$-

15b
$^1$H NMR, 200 MHz, CDCl$_3$
$^{13}$C NMR, 50 MHz, CDCl$_3$

OMOM

MOMO

4b
\[ ^{13}\text{C} \text{NMR, 50 MHz, CDCl}_3 \]

\[
\text{OMOM}
\]

\[
\text{HO} \quad \text{OMOM}
\]

5a
<table>
<thead>
<tr>
<th>Compound</th>
<th>16.03</th>
<th>17.60</th>
<th>22.47</th>
<th>25.61</th>
<th>26.60</th>
<th>39.72</th>
<th>56.07</th>
<th>77.00</th>
<th>94.59</th>
<th>101.66</th>
<th>120.33</th>
<th>121.61</th>
<th>124.18</th>
<th>131.36</th>
<th>135.39</th>
<th>147.98</th>
<th>155.96</th>
</tr>
</thead>
</table>

**Acetone**

**Chloroform-d**

![13C NMR, 50 MHz, CDCl₃](image)

6a
$^{13}$C NMR, 50 MHz, CDCl$_3$
DEPT NMR, 50 MHz, CDCl₃

7b
$^1$H NMR, 200 MHz, CDCl$_3$
Chloroform-d

$^1$H NMR, 500 MHz, CDCl$_3$

MOMO

9b
$^{13}$C NMR, 100 MHz, Acetone-$d_6$

Pawhuskin C (1)
\( ^1\text{H NMR, 500 MHz, CD}_2\text{OD} \)

Schweinfurthin J (2)
CD3OD

1H NMR, 125 MHz, CD3OD

Schweinfurthin J (2)