Compound 13a

\[
\begin{align*}
13a & \quad R^1 = 4-\text{ClC}_6\text{H}_4 \\
\end{align*}
\]
Compound 13b

\[ R^1 = 4-\text{MeC}_6\text{H}_4 \]
Compound 13c

R¹ = 4-OMeC₆H₄
Compound 14

$R^1 = \text{4-OMeC}_6\text{H}_4$

14

$R^1 = \text{4-OMeC}_6\text{H}_4$

14

$R^1 = \text{4-OMeC}_6\text{H}_4$
Compound 15

R¹ = 4-OMeC₆H₄

R¹ = 4-OMeC₆H₄
Compound 16a

\[
\begin{align*}
16a & \quad R^1 = 4-MeC_6H_4 \\
\end{align*}
\]
Compound 16b

\[ R^1 = 4-\text{ClC}_6\text{H}_4 \]
Compound 22a
Compound 22b
Compound 22c

[Chemical structures and spectra]

[Chemical structures and spectra]
Compound 22d
Compound 17a

17a

$R^1 = 4\text{-ClC}_6\text{H}_4$

17a

$R^1 = 4\text{-ClC}_6\text{H}_4$
Compound 17b

$\text{R}^1 = 4\text{-MeC}_6\text{H}_4$
Compound 17c

$R^1 = 4\text{-OMeC}_6\text{H}_4$
Compound 18

\[ R^1 = 4\text{-OMeC}_6\text{H}_4 \]

\[
\begin{align*}
\text{18} & \\
R^1 & = 4\text{-OMeC}_6\text{H}_4
\end{align*}
\]
Compound 19

R$^1 = 4$-OMeC$_6$H$_4$
Compound 20a

\[
\begin{align*}
\text{R}^1 &= 4-\text{MeC}_6\text{H}_4
\end{align*}
\]
Compound 20b

\[ \text{R}^1 = 4-\text{ClC}_6\text{H}_4 \]
Compound 23a
Compound 23b

\[ \text{OCH}_3 \cdot 23b \]

\[ \text{OCH}_3 \cdot 23b \]
Compound 23c
Compound 23d