Exploring a Sulfone Linker Utilizing Trimethyl Aluminum as a Cleavage Reagent: Solid-Phase Synthesis of Sulfonamides and Ureas

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1H NMR spectrum (300 MHz) of compound 4 in CDCl₃
$^{13}$C and DEPT NMR spectrum (75 MHz) of compound 4 in CDCl$_3$
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$^1$H NMR spectrum (300 MHz) of compound 5 in CDCl$_3$
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**1H NMR spectrum (300 MHz) of compound 7 in CDCl₃**
$^{13}$C and DEPT NMR spectrum (75 MHz) of compound 7 in CDCl$_3$
IR spectrum of compound 8
IR spectrum of compound 9
IR spectrum of compound 10
$^1$H NMR spectrum (300 MHz) of compound 11 in CDCl$_3$
$^{13}$C and DEPT NMR spectrum (75 MHz) of compound 11 in CDCl$_3$
IR spectrum of compound 10a
IR spectrum of compound 12a
IR spectrum of compound 13a
IR spectrum of compound 14a
$^1$H NMR spectrum (300 MHz) of compound 16a in CDCl$_3$
$^{13}$C and DEPT NMR spectrum (75 MHz) of compound 16a in CDCl$_3$
IR spectrum of compound 15b
$^{1}$H NMR spectrum (300 MHz) of compound $17b$ in CDCl$_3$
13C and DEPT NMR spectrum (75 MHz) of compound 17b in CDCl3
IR spectrum of compound 13c
IR spectrum of compound 14c
$^{1}$H NMR spectrum (300 MHz) of compound 16c in CDCl$_3$
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IR spectrum of compound 10d
IR spectrum of compound 12d
IR spectrum of compound 13d
IR spectrum of compound 14d
$^1$H NMR spectrum (300 MHz) of compound 16d in CDCl$_3$
$^{13}$C and DEPT NMR spectrum (75 MHz) of compound 16d in CDCl$_3$
IR spectrum of compound 15e
$^1$H NMR spectrum (300 MHz) of compound 17e in CDCl$_3$
$^{13}$C and DEPT NMR spectrum (75 MHz) of compound 17e in CDCl$_3$
IR spectrum of compound 13f
IR spectrum of compound 14f

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1H NMR spectrum (300 MHz) of compound 16f in CDCl₃
$^{13}$C and DEPT NMR spectrum (75 MHz) of compound 16f in CDCl$_3$
IR spectrum of compound 15g
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1H NMR spectrum (300 MHz) of compound 17g in CDCl$_3$
$^{13}$C and DEPT NMR spectrum (75 MHz) of compound 17g in CDCl$_3$
IR spectrum of compound 10h
IR spectrum of compound 12h
IR spectrum of compound 13h

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IR spectrum of compound 15h
\[ \text{H NMR spectrum (300 MHz) of compound 17h in CDCl}_3 \]
$^{13}$C and DEPT NMR spectrum (75 MHz) of compound 17h in CDCl$_3$
IR spectrum of compound 13i
IR spectrum of compound 15i
$^1$H NMR spectrum (300 MHz) of compound 17i in CDCl$_3$
13C and DEPT NMR spectrum (75 MHz) of compound 17i in CDCl3
IR spectrum of compound 10j
IR spectrum of compound 12j
IR spectrum of compound 13j

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IR spectrum of compound 14j
$^{1}$H NMR spectrum (300 MHz) of compound 16j in CDCl$_3$
$^{13}$C and DEPT NMR spectrum (75 MHz) of compound 16j in CDCl$_3$
IR spectrum of compound 15k
\[ ^1H \text{NMR spectrum (300 MHz) of compound 17k in CDCl}_3 \]

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$^{13}$C and DEPT NMR spectrum (75 MHz) of compound 17k in CDCl$_3$