Supplementary Material
A facile trifluoromethylthiolation of 3-chloro-1H-inden-1-ones employing AgSCF₃ and KI

Biao Dong,¹ Xiaofei Zhang,² Ruiling Liu,² and Chunhao Yang*²

¹Nano Science and Technology Institute, University of Science and Technology of China, 215123 Suzhou, China
²State Key Laboratory of Drug Research, Shanghai Institute of Materia Medica, Chinese Academy of Sciences, 201203 Shanghai, China; University of Chinese Academy of Sciences, No.19A Yuquan Road, Beijing 100049, China

Email: chyang@simm.ac.cn
\[ ^1H \text{ NMR spectrum of 2a} \]

\[ ^{13}C \text{ NMR spectrum of 2a} \]
19F NMR spectrum of 2a

1H NMR spectrum of 2b
$^1$H NMR spectrum of 2c

$^{13}$C NMR spectrum of 2c
$^{19}$F NMR spectrum of 2c

$^1$H NMR spectrum of 2d
$^{13}$C NMR spectrum of 2d

$^{19}$F NMR spectrum of 2d
$^{19}$F NMR spectrum of 2e

$^1$H NMR spectrum of 2f
$^{13}$C NMR spectrum of 2f

$^{19}$F NMR spectrum of 2f
\( ^1\text{H} \) NMR spectrum of 2g

\( ^{13}\text{C} \) NMR spectrum of 2g
$^{19}$F NMR spectrum of 2g

$^1$H NMR spectrum of 2h
$^{13}$C NMR spectrum of 2h

$^{19}$F NMR spectrum of 2h
$^1$H NMR spectrum of 2i

$^{13}$C NMR spectrum of 2i
$^{19}$F NMR spectrum of 2i

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

$^{19}$F NMR spectrum of 2j
$^{19}\text{F NMR spectrum of 2l}$

$^{1}\text{H NMR spectrum of 2m}$
$^{13}$C NMR spectrum of 2m

$^{19}$F NMR spectrum of 2m
$^{1}H$ NMR spectrum of 2n

$^{13}C$ NMR spectrum of 2n
$^{19}$F NMR spectrum of 2n

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

$^{19}$F NMR spectrum of 2o