Supporting information:

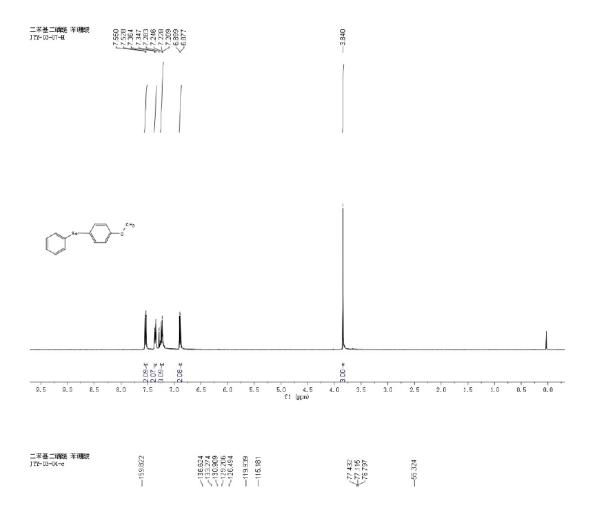
Highly efficient and reusable MCM-41-immobilized bipyridine copper catalyst for the C-Se coupling of organoboronic acids with diaryl diselenides

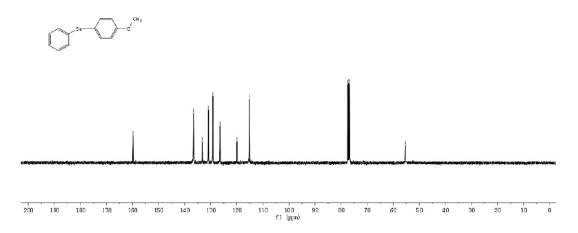
Hong Zhao, a,b Yuanyuan Jiang, a Qiurong Chen and Mingzhong Caia,*

^a Key Laboratory of Functional Small Organic Molecule, Ministry of Education and College of Chemistry & Chemical Engineering, Jiangxi Normal University, Nanchang 330022, P. R. China

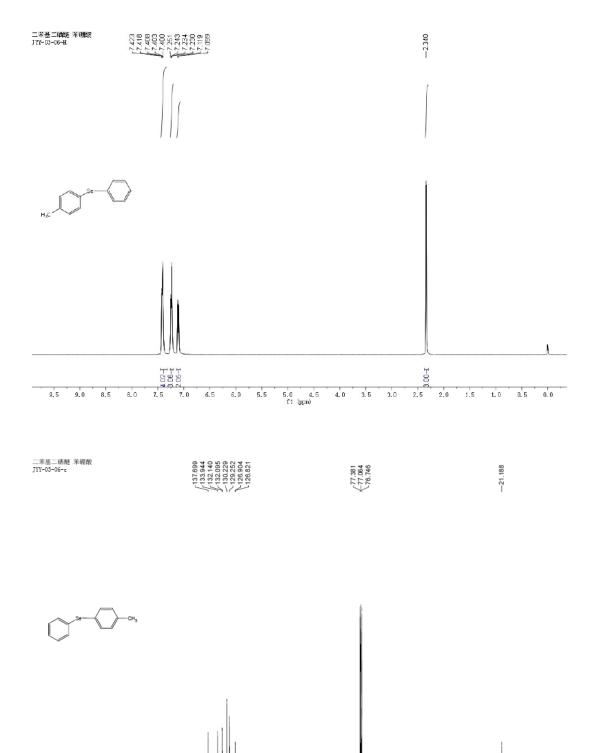
^b School of Chemistry and Chemical Engineering, Guangdong Pharmaceutical University, Guangzhou 510006, P. R. China Fax: (+86)-791-8812-0388; E-mail: mzcai@jxnu.edu.cn

¹H NMR and ¹³C NMR spectra of compounds 3a-3z.



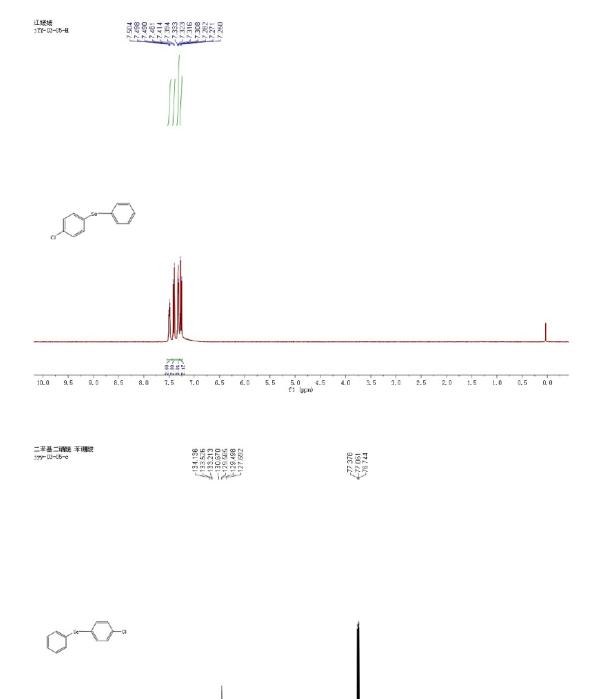


 $^{1}\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound ${\bf 3a}$



 $^1\mathrm{H}$ NMR and $^{13}\mathrm{C}$ NMR spectra of compound 3b

200 190 180 170 160 150 140 130 120 110 100 90 80 70 fl (ppm)

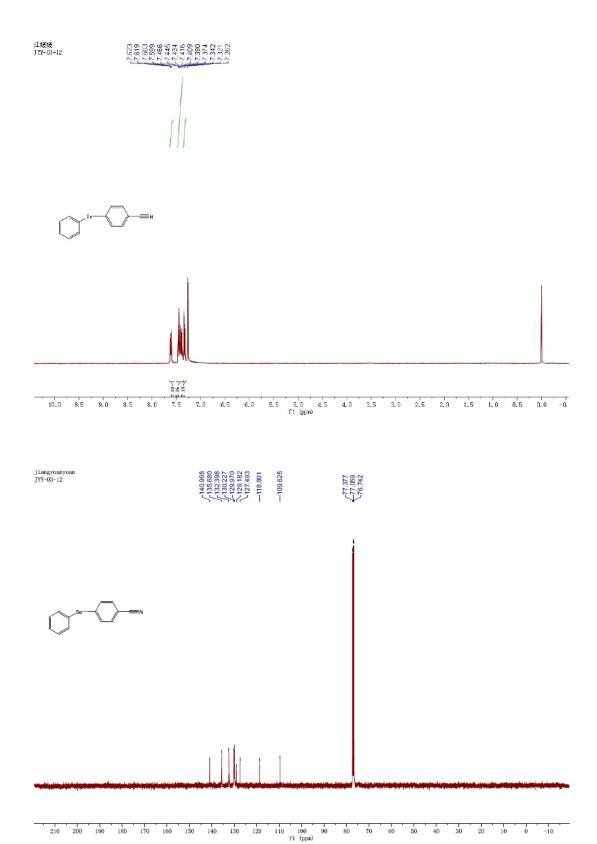


 $^{1}\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound 3c

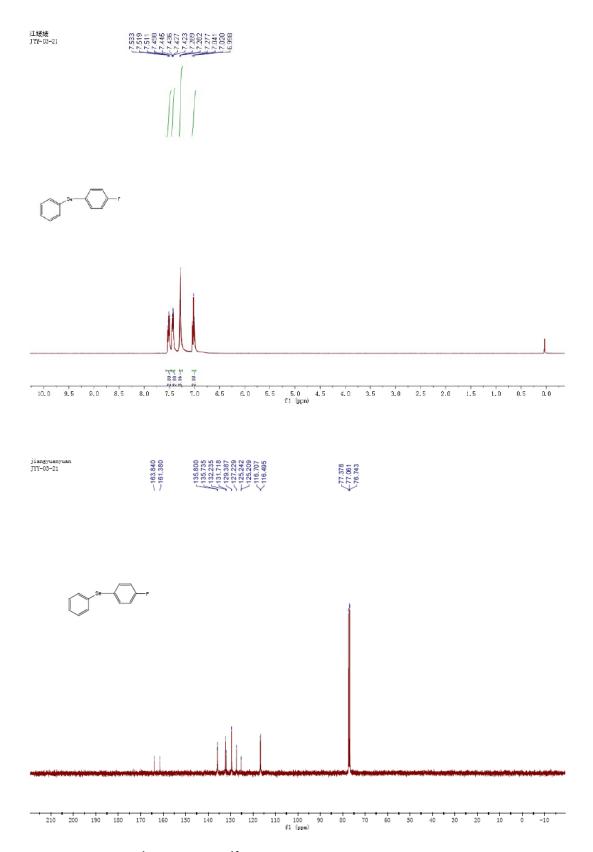
140 130 120 110 100 90 80 70 £1 (ppm)

190 180

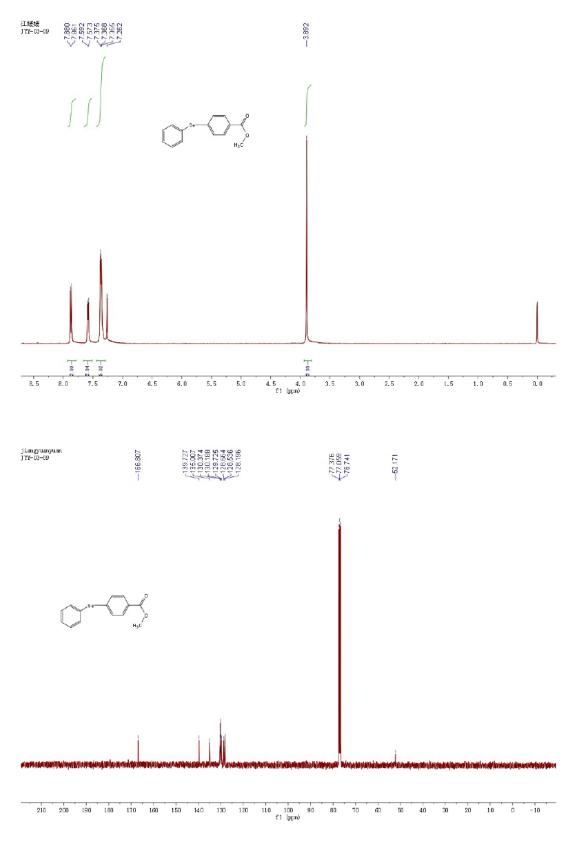
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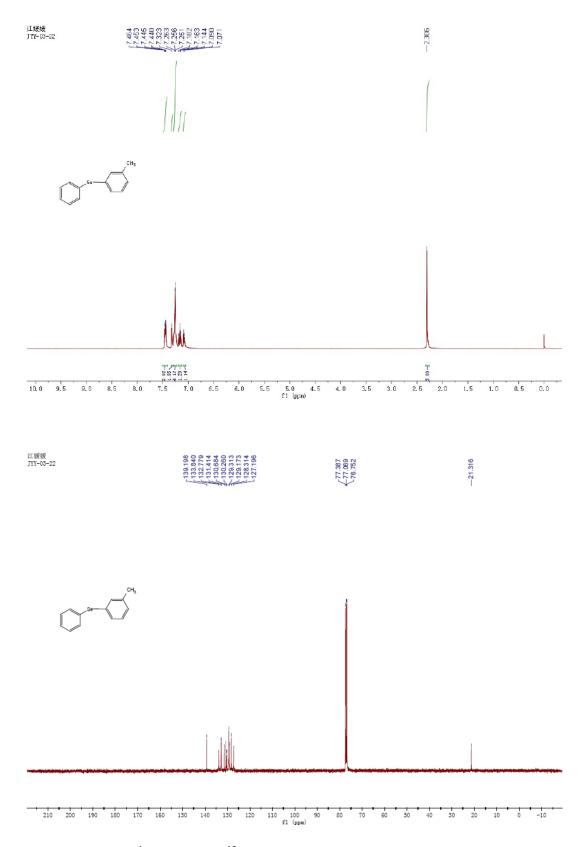
 $^{1}\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound 3d



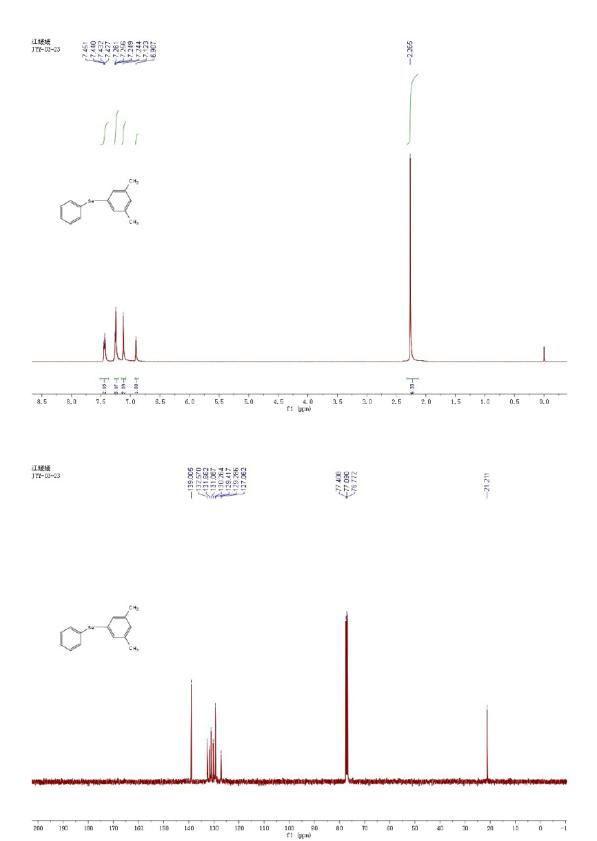
 $^1 H$ NMR and $^{13} C$ NMR spectra of compound 3e



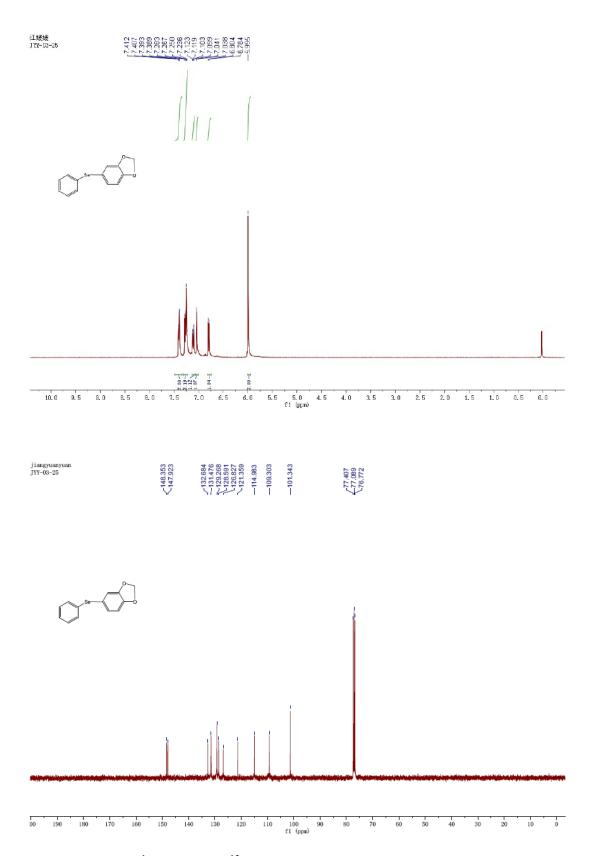
 $^{1}\mathrm{H}$ NMR and $^{13}\mathrm{C}$ NMR spectra of compound 3f



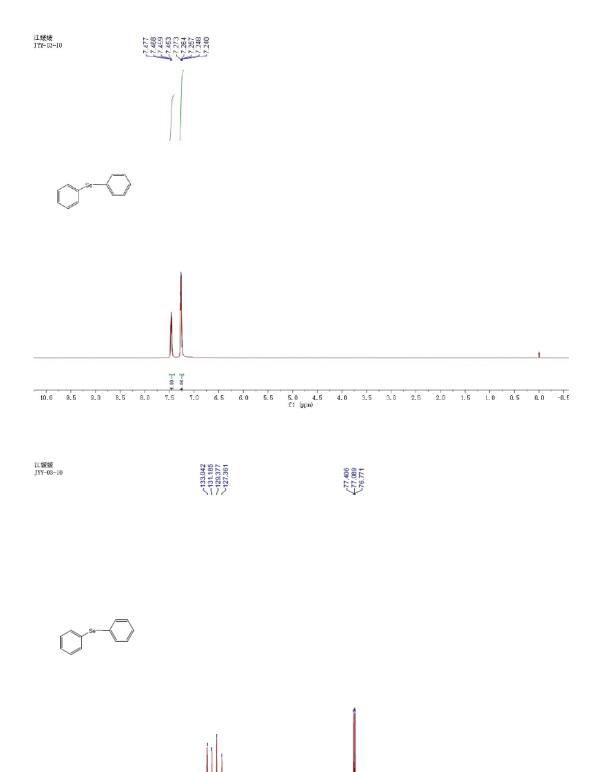
 $^{1}\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound 3g



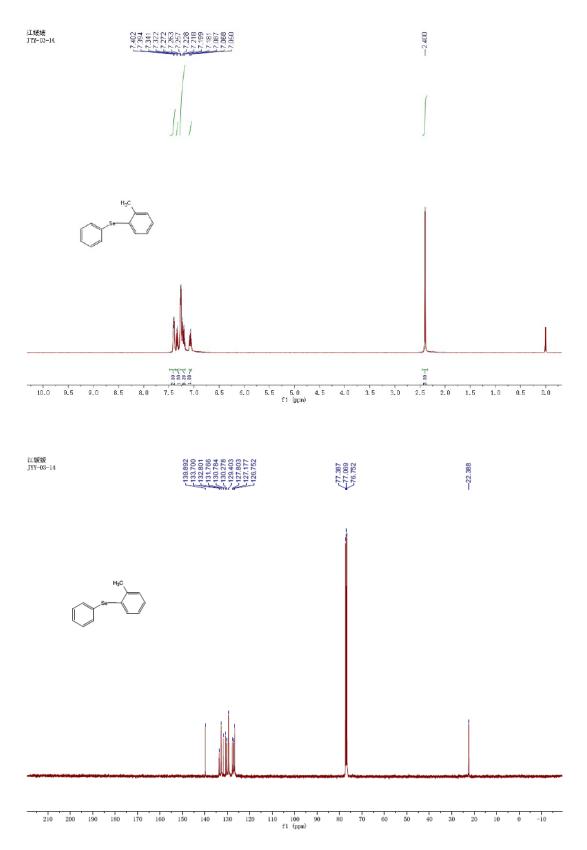
 $^1\mathrm{H}$ NMR and $^{13}\mathrm{C}$ NMR spectra of compound 3h



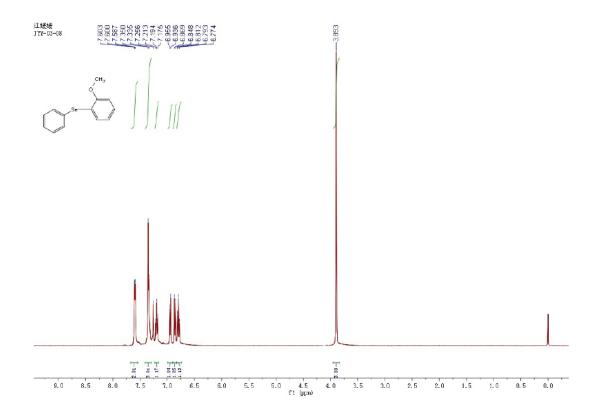
 $^1\mathrm{H}$ NMR and $^{13}\mathrm{C}$ NMR spectra of compound 3i

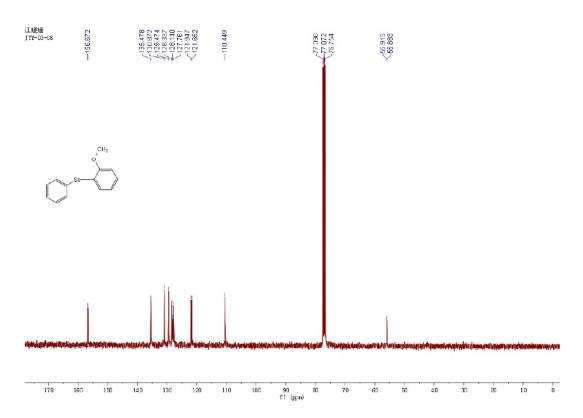


 $^1\mathrm{H}$ NMR and $^{13}\mathrm{C}$ NMR spectra of compound 3j

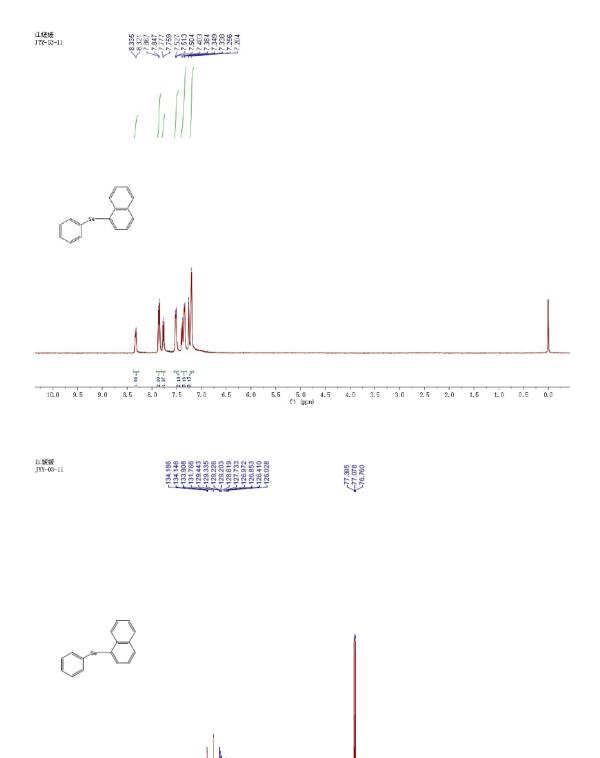


 $^1\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound 3k



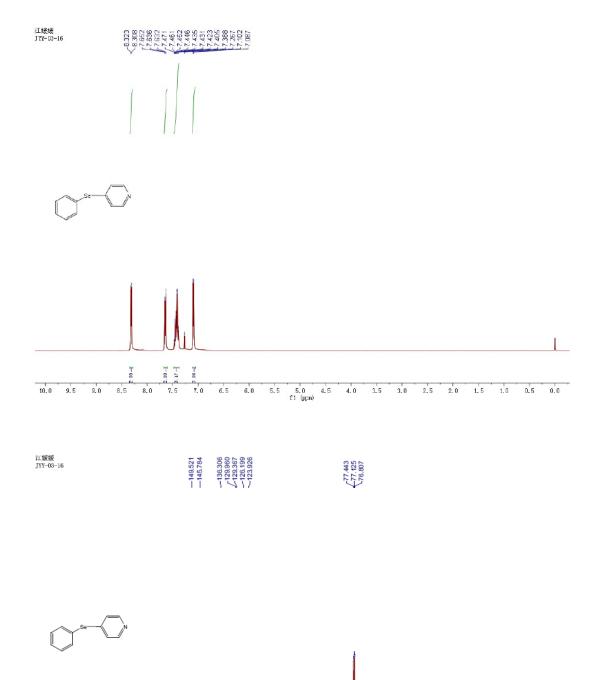


 $^1\mathrm{H}$ NMR and $^{13}\mathrm{C}$ NMR spectra of compound 3l



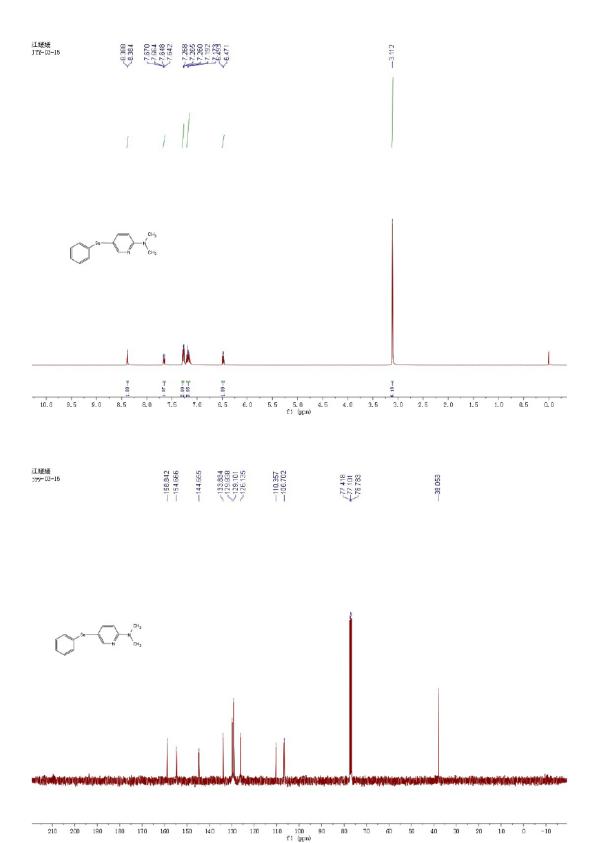
 $^1 H$ NMR and $^{13} C$ NMR spectra of compound ${\bf 3m}$

.00 190 180 170 160 150 140 130 120 110 100 90 80 70 f1 (spm)

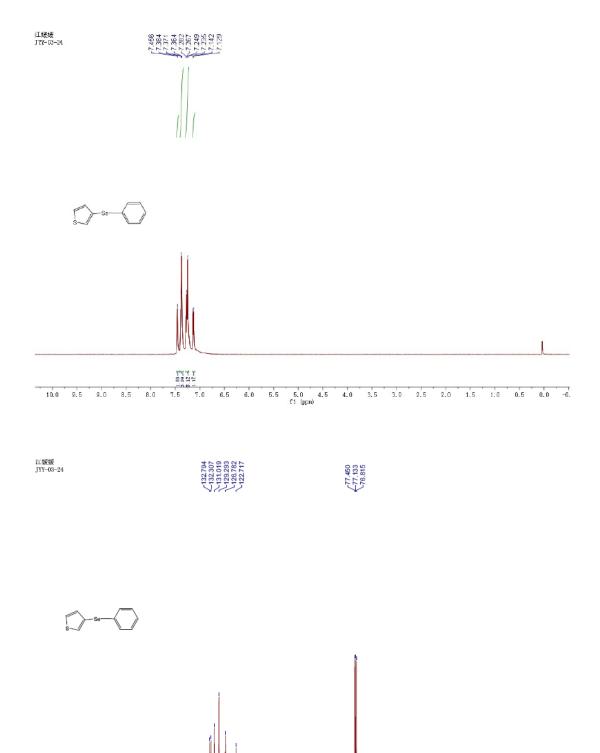


 $^{1}\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound 3n

210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 f1 (ppm)

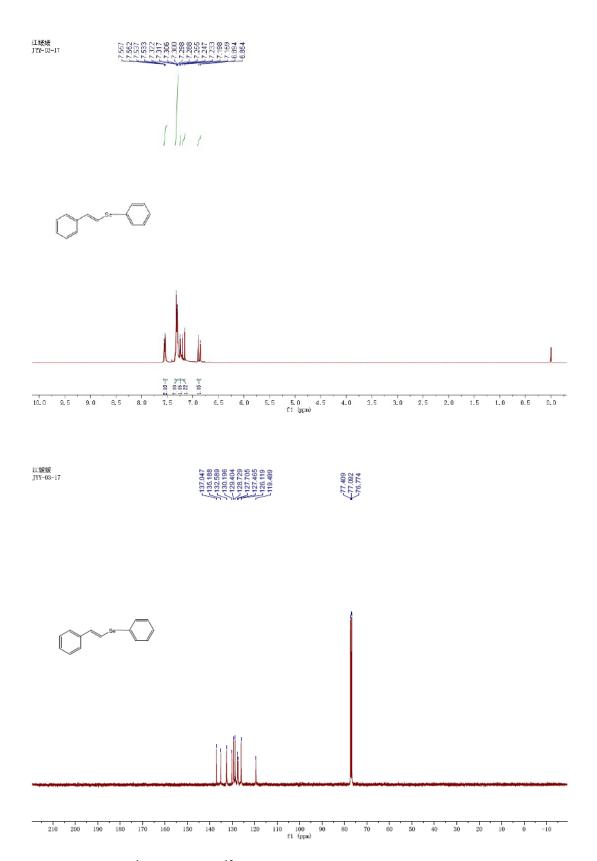


 $^{1}\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound 3o

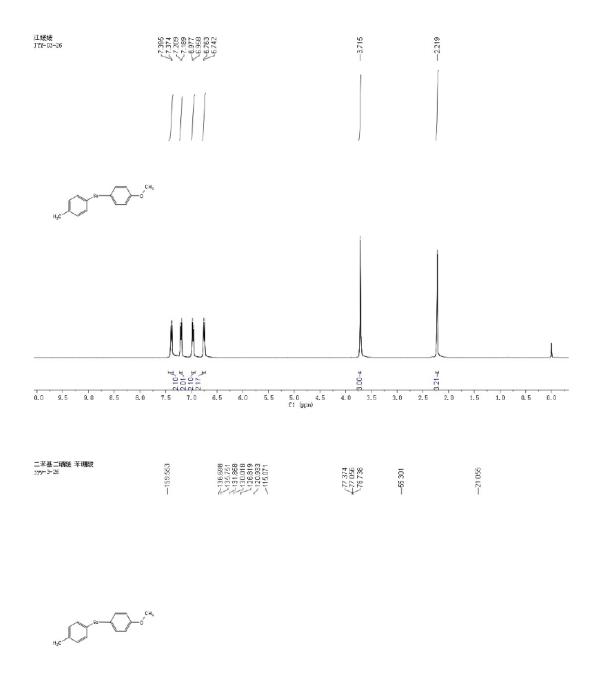


 $^{1}\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound 3p

170 160 150 140 130 120 110 100 90 80 70 f1 (ppm)



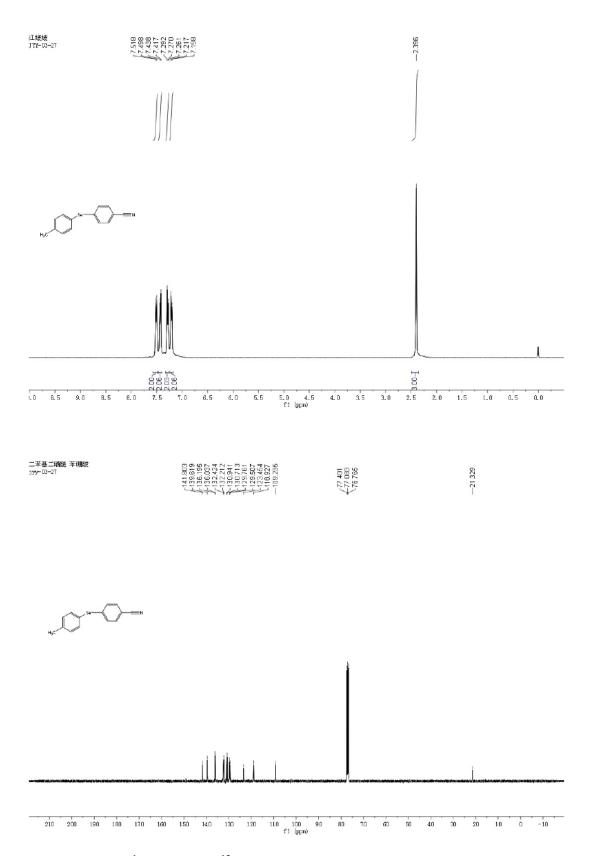
 $^1\mathrm{H}$ NMR and $^{13}\mathrm{C}$ NMR spectra of compound 3q



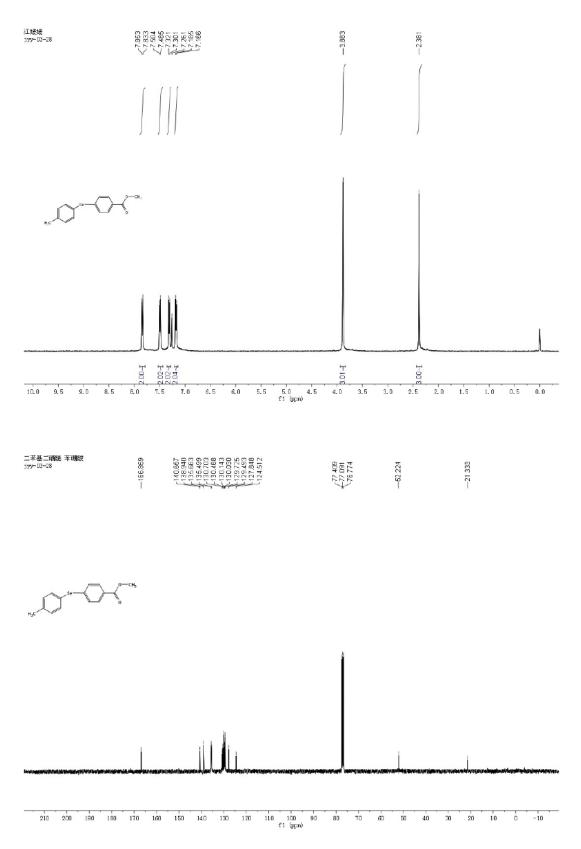
 $^{1}\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound 3r

30 20 10 0 -10

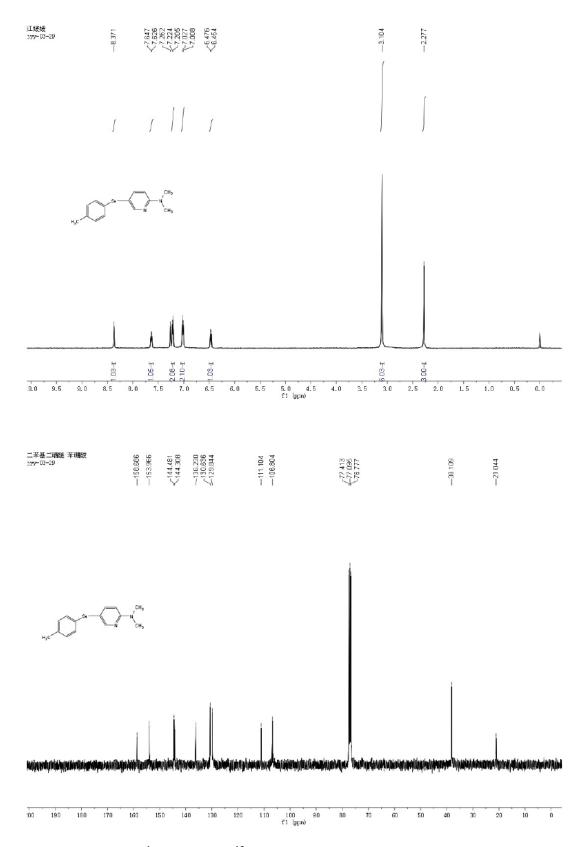
210 200 190 180 170 160 150 140 130 120 110 100 90 80 TO 60 ft (ppm)



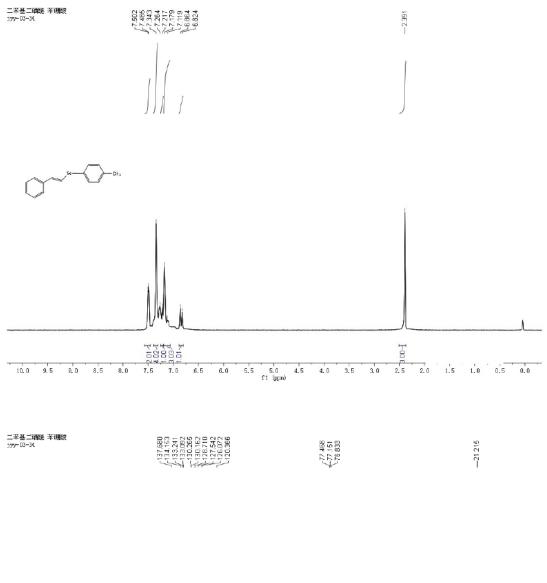
 $^{1}\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound 3s

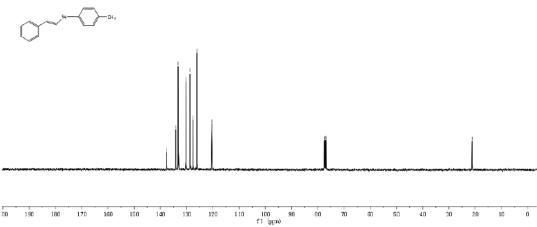


 $^{1}\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound 3t

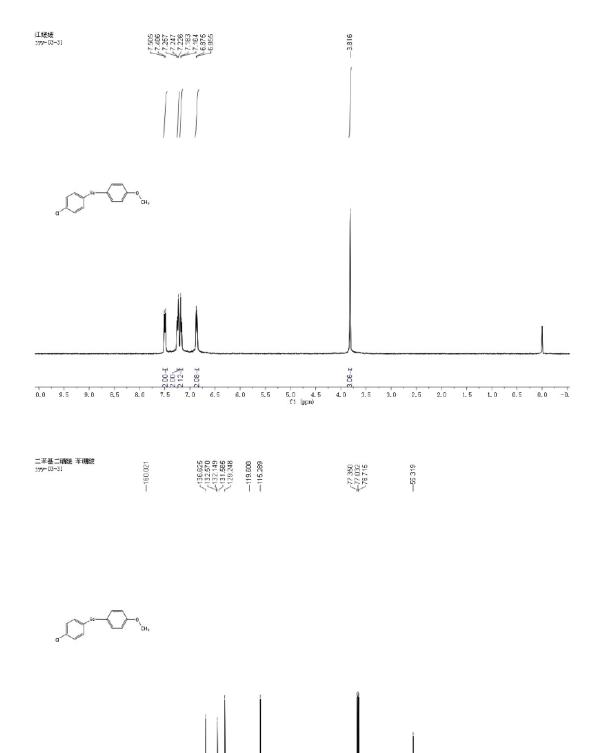


 $^1 H$ NMR and $^{13} C$ NMR spectra of compound 3u





 $^{1}\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound 3v

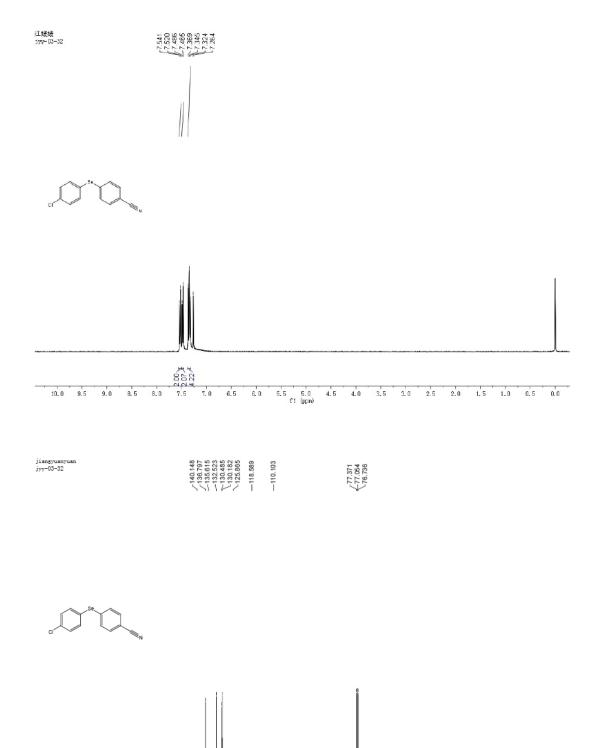


 $^{1}\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound 3w

150 140 130 120 110 100 90 80 TO 60 ft (ppm)

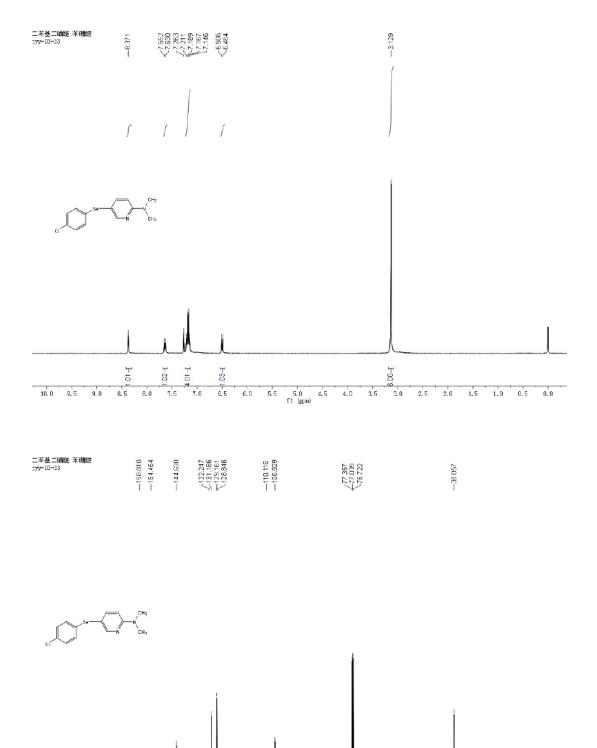
200

1B0



 ^{1}H NMR and ^{13}C NMR spectra of compound 3x

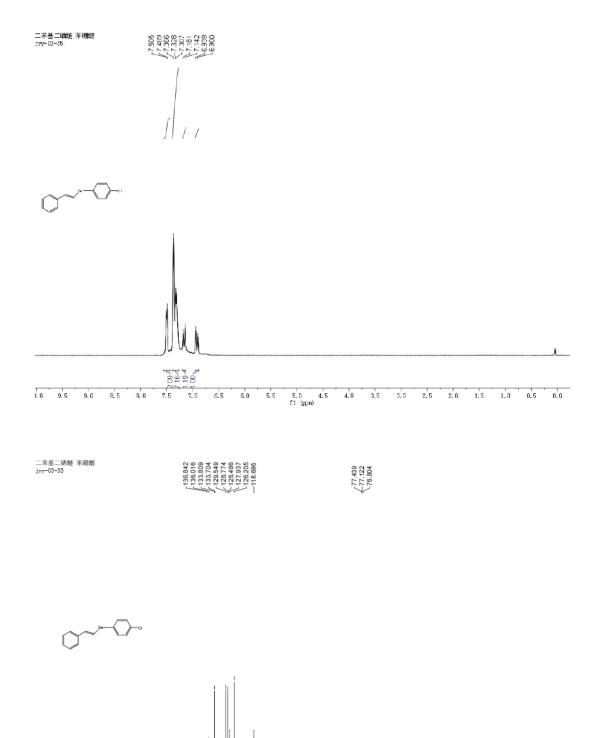
200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 f1 (ppm)



 $^{1}\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound 3y

150 140 L30 120 1.10 L00 90 80 TO 60 ft (pgm)

180 170



 $^{1}\mbox{H}$ NMR and $^{13}\mbox{C}$ NMR spectra of compound 3z

190 180 170 160 150 140 130 120 110 100 90 80 70 fl (ppm)