

Supporting Information

Chiral aziridine sulfide $N(sp^3),S$ -ligands for metal-catalyzed asymmetric reactions

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NMR spectra

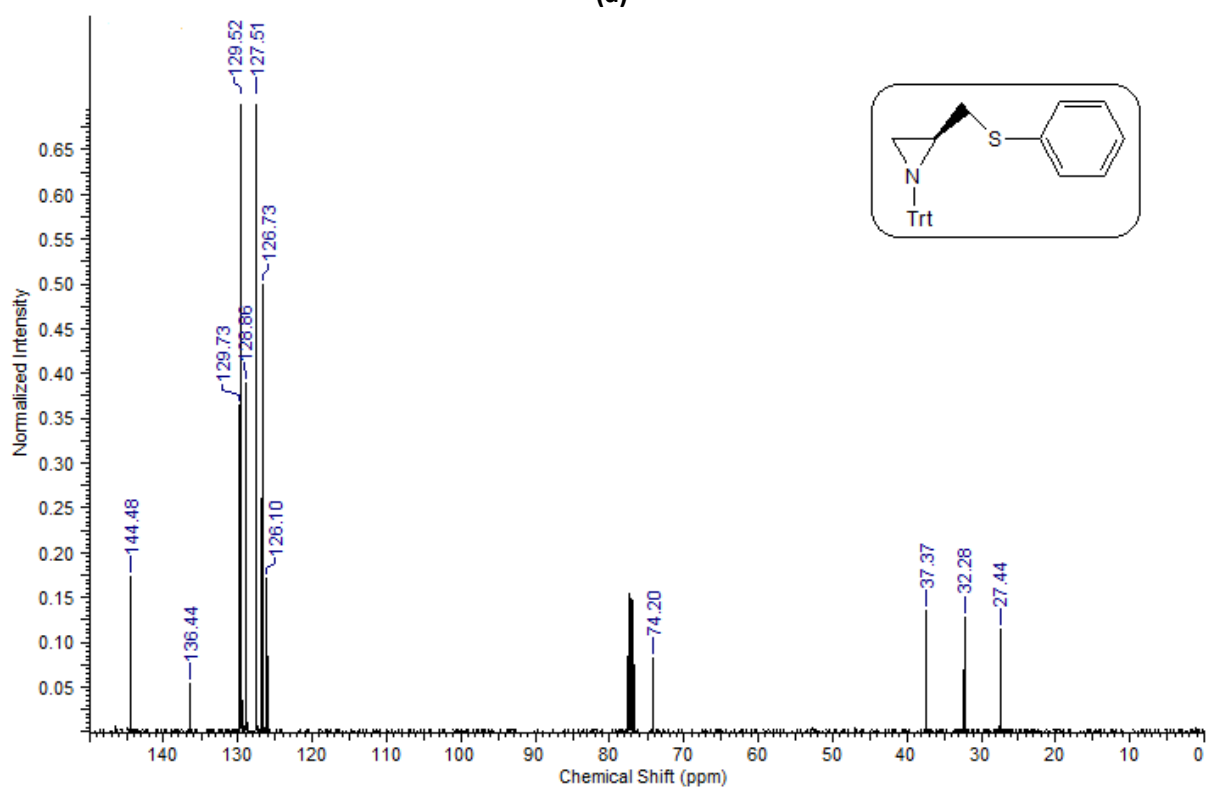
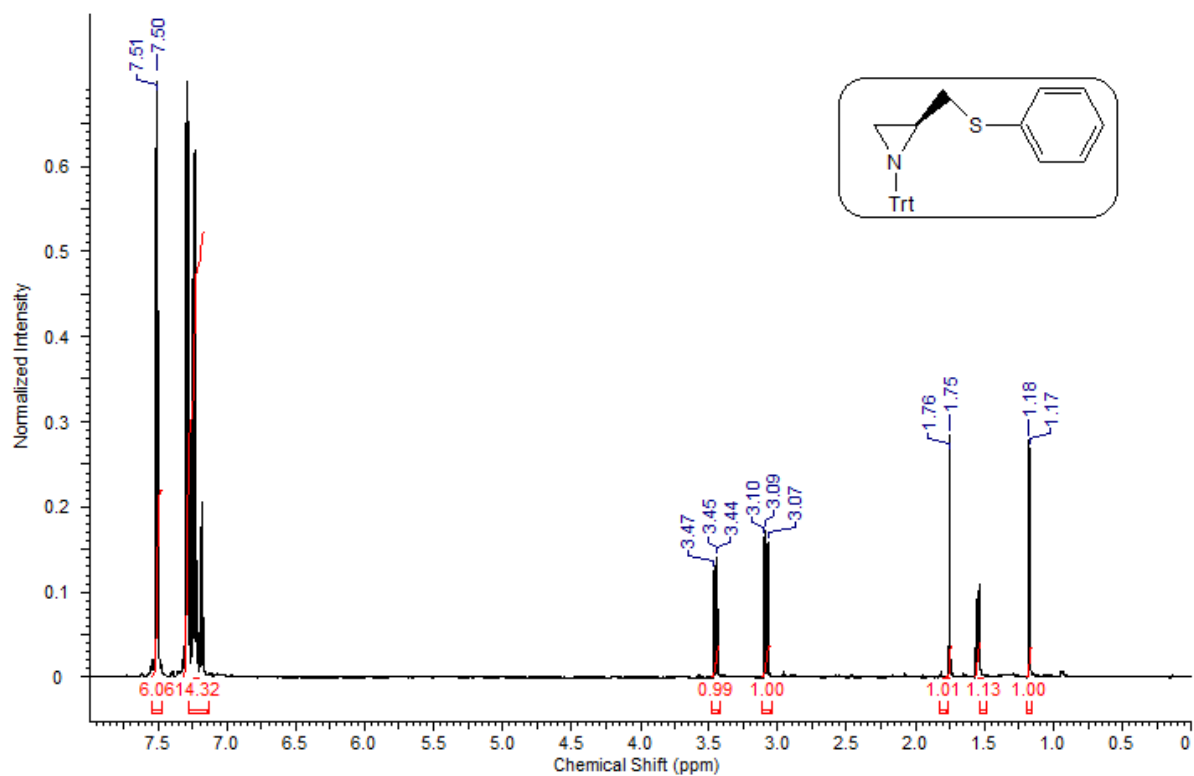
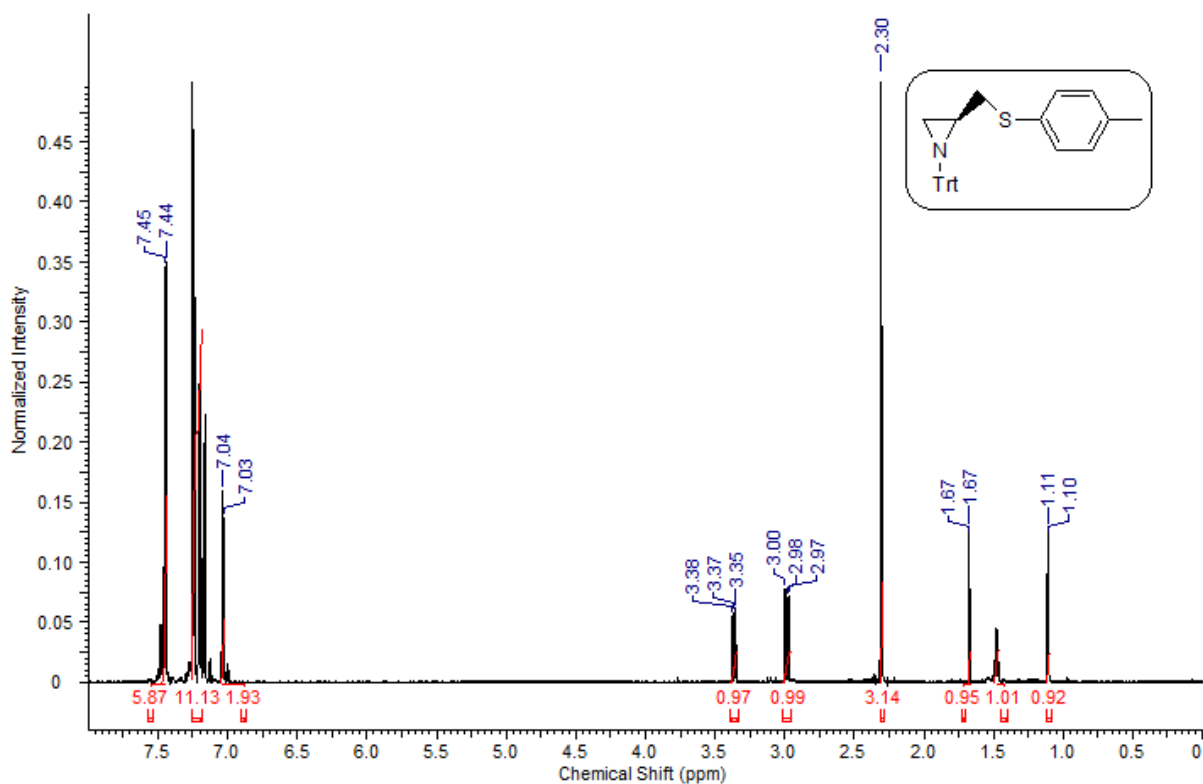
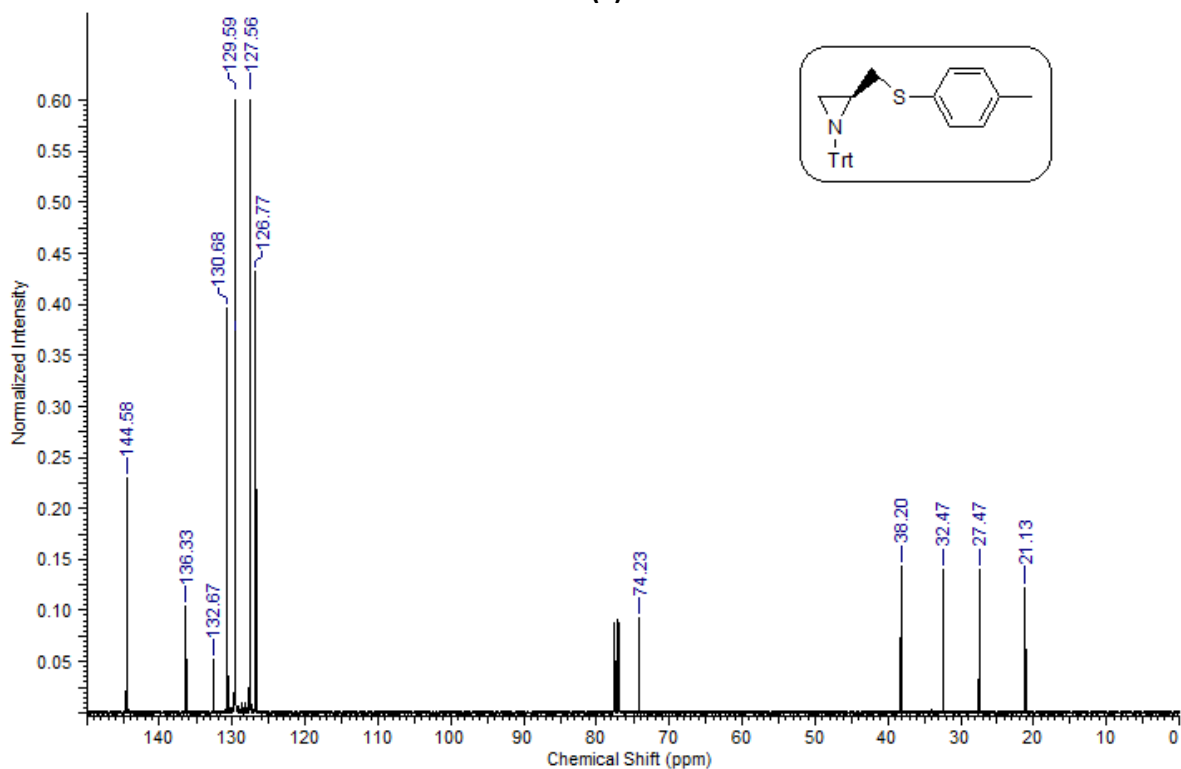


Figure S1. (a) ¹H NMR, and (b) ¹³C NMR spectra of (S)-2-(phenylsulfanylmethyl)-1-tritylaziridine **15**



(a)



(b)

Figure S2. (a) ¹H NMR, and (b) ¹³C NMR spectra of (S)-2-(p-tolylsulfanylmethyl)-1-tritylaziridine **16**

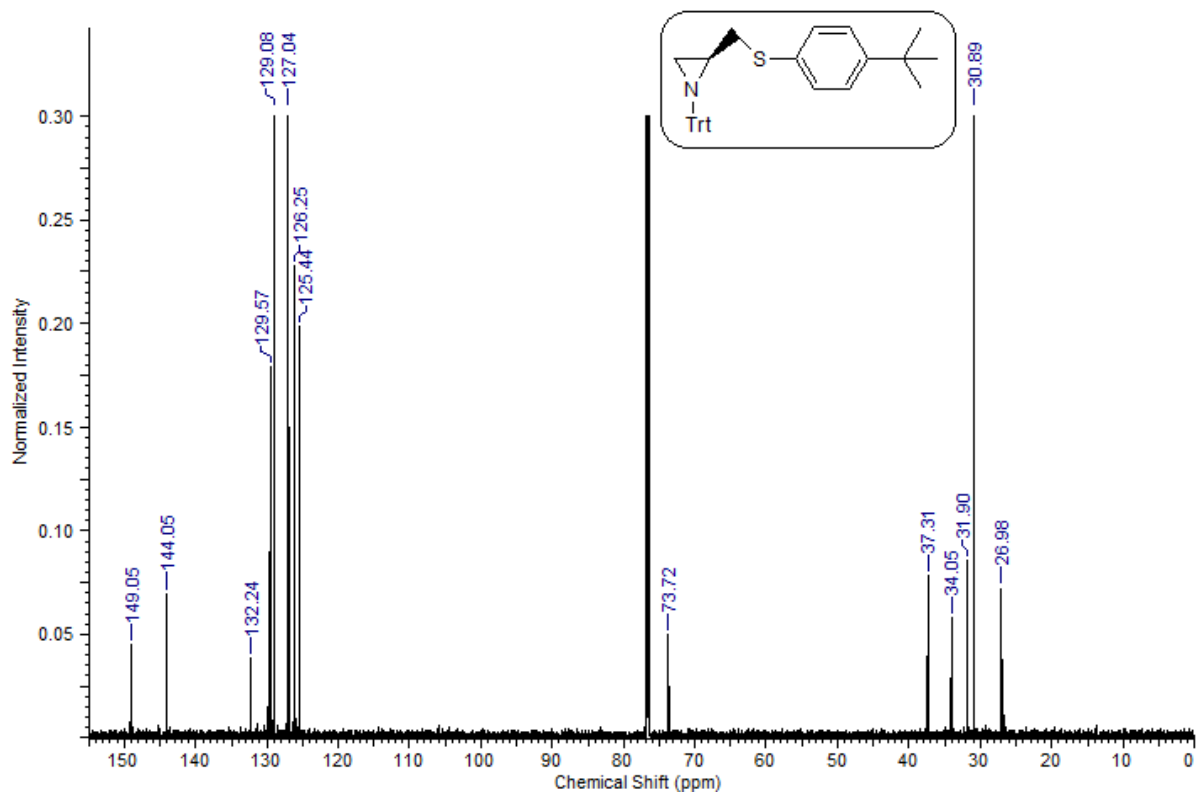
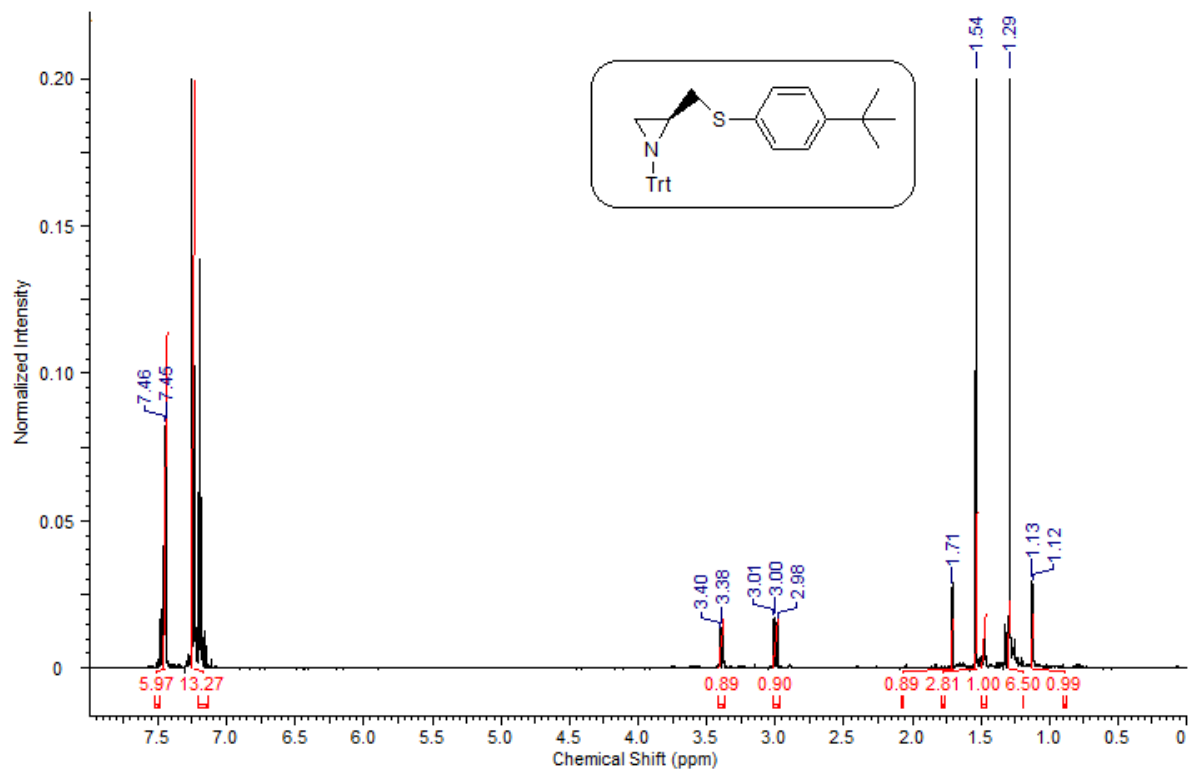
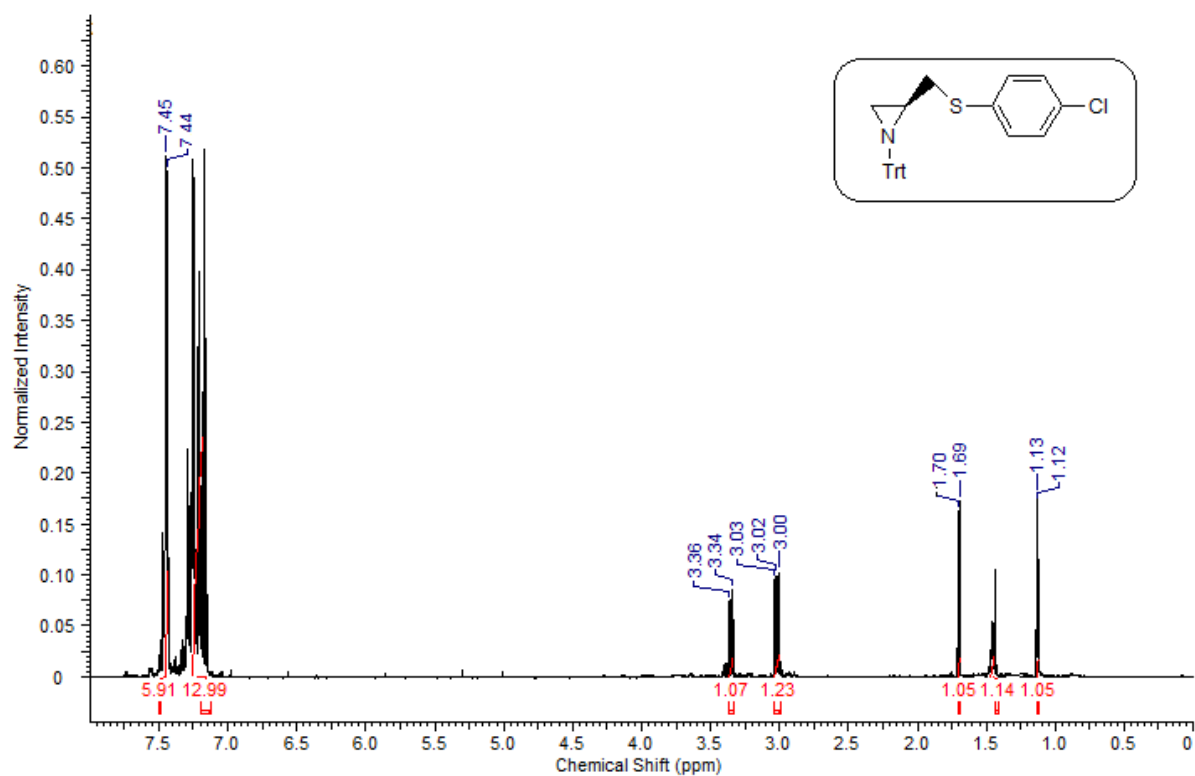
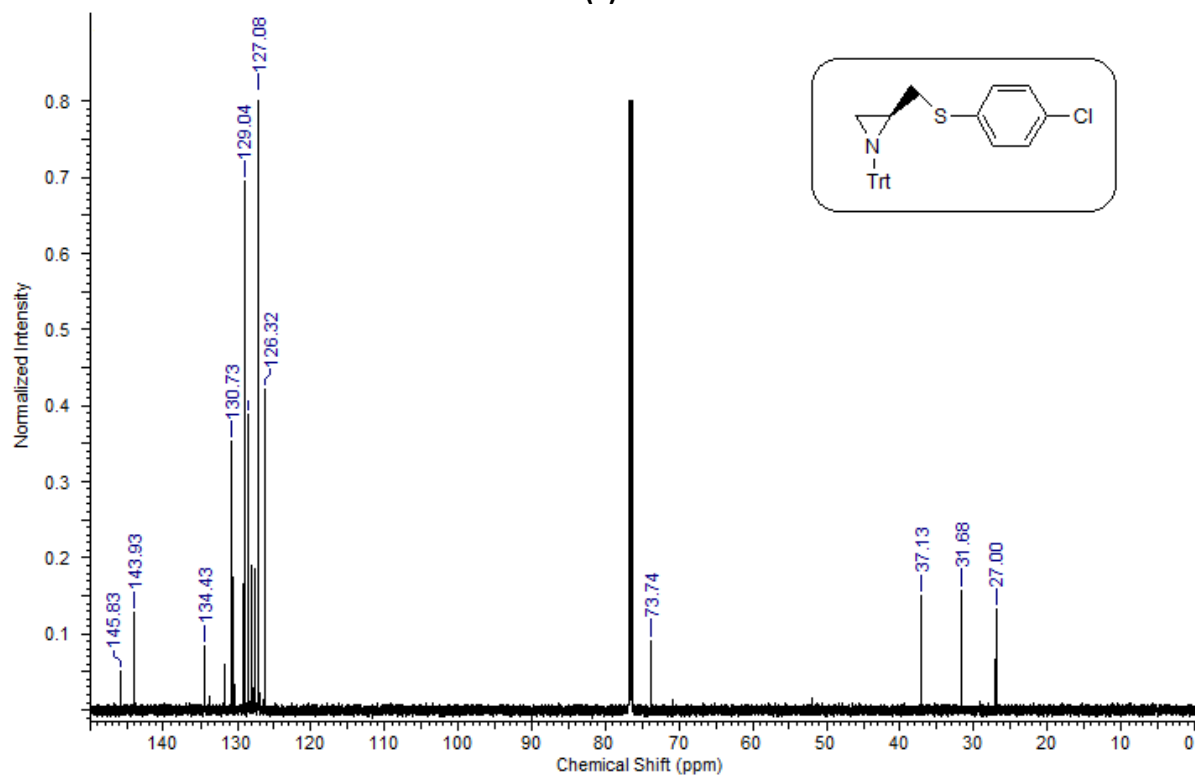


Figure S3. (a) ^1H NMR, and (b) ^{13}C NMR spectra of (S)-2-((4-*tert*-butylphenylsulfanyl)methyl)-1-tritylaziridine **17**

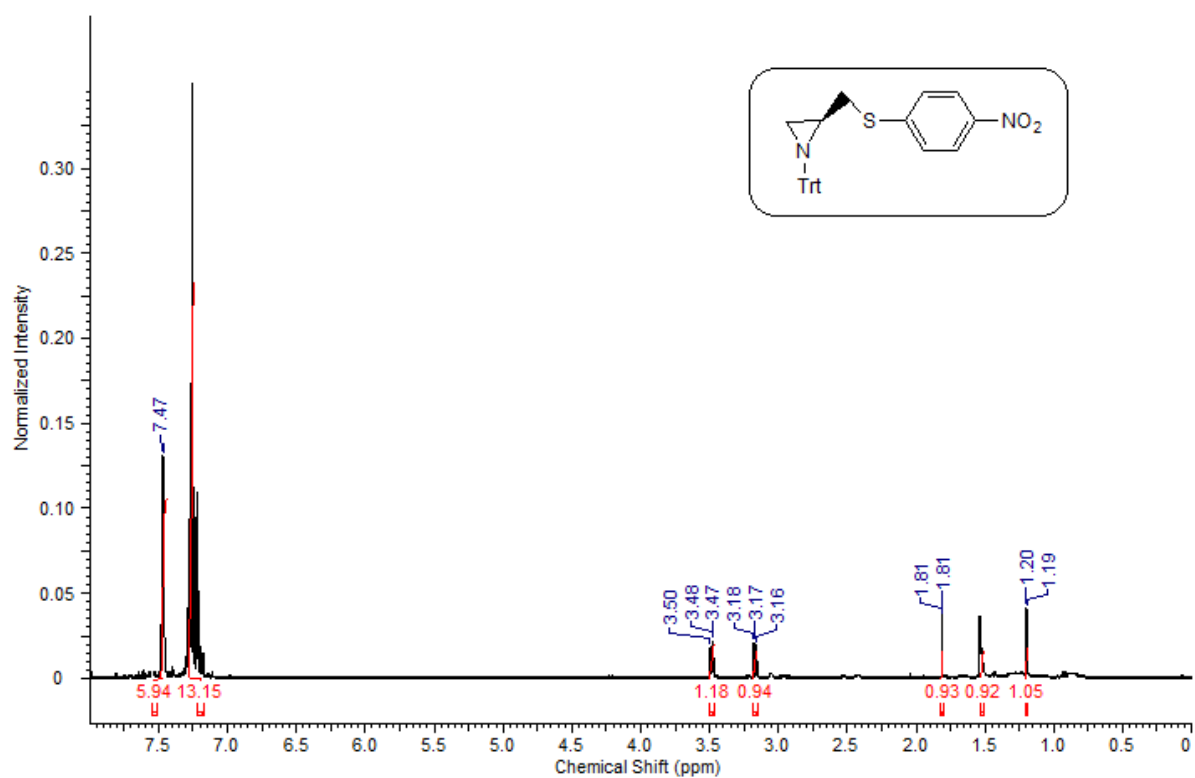


(a)

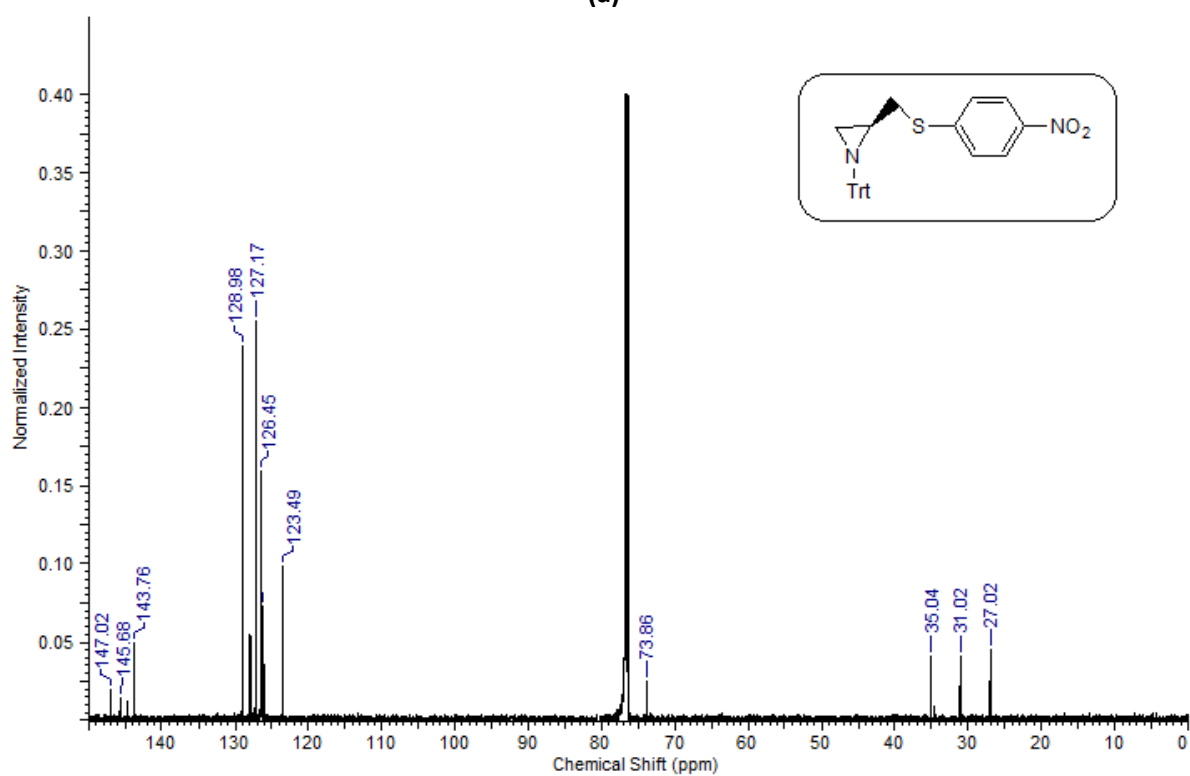


(b)

Figure S4. (a) ¹H NMR, and (b) ¹³C NMR spectra of (S)-2-((4-chlorophenylsulfanyl)methyl)-1-tritylaziridine **18**



(a)



(b)

Figure S5. (a) ^1H NMR, and (b) ^{13}C NMR spectra of (S)-2-((4-nitrophenylsulfanyl)methyl)-1-tritylaziridine